

SERVICE MANUAL

marantz

model 2250B

Stereophonic Receiver

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INTRODUCTION

This service manual was prepared for use by Authorized Warranty Stations and contains service information for Marantz Model 2250B Stereophonic Receiver.

Servicing information and voltage data included in this manual are intended for use by the knowledgeable and experienced technician only. All instructions should be read carefully. No attempt should be made to proceed without a good understanding of the operation of the receiver.

The parts list furnishes information by which replacement parts may be ordered from the Marantz Company. A simple description is included for parts which can usually be obtained through local suppliers.

1. P.W. Board

As can be seen from the circuit diagram the chassis of Model 2250B consists of the following units. Each unit mounted on a printed circuit board is described within the square enclosed by a bold dotted line on the circuit diagram.

1. FM Front End	Mounted on P.W. Board, P 100
2. AM Tuner	Mounted on P.W. Board, P 150
3. FM-IF	Mounted on P.W. Board, P 200
4. MPX	Mounted on P.W. Board, P 300
5. ANT. Muting VR	Mounted on P.W. Board, PU01
6. Dolby Level	Mounted on P.W. Board, PC01
7. Phone Amp.	Mounted on P.W. Board, P 400
8. Dial Lamp	Mounted on P.W. Board, PZ01
9. Monitor, SW	Mounted on P.W. Board, PT01
10. Function Lamp	Mounted on P.W. Board, PY01
11. Pre Tone Amp.	Mounted on P.W. Board, PE01
12. Filter, SP SW	Mounted on P.W. Board, PH01
13. Power Amp.	Mounted on P.W. Board, P 700
14. Power Supply	Mounted on P.W. Board, P 800

2. TEST EQUIPMENT REQUIRED FOR SERVICING

Table 1 lists the test equipment required for servicing the Model 2250B Receiver.

Item	Manufacturer and Model No.	Use
AM Signal Generator		Signal source for AM alignment.
Test Loop		Used with AM signal generator.
FM Signal Generator	Less than 0.3% distortion	Signal source for FM alignment.
Stereo Modulator	Less than 0.3% distortion	Stereo separation alignment and trouble shooting.
Frequency Counter		MPX Oscillator adjustment (VCO).
Audio Oscillator	Weston Model CVO-100P, less than 0.02% residual distortion is required.	Sinewave and squarewave signal source.
Oscilloscope	High sensitivity with DC horizontal and vertical amplifiers	Waveform analysis and trouble shooting and ASO alignment.
VTVM	With AC, DC, RF range	Voltage measurements.
Circuit Tester		Trouble shooting.
AC Wattmeter	Simpson, Model 390	Monitors primary power to amplifier.
AC Ammeter	Commercial Grade (1-10A)	Monitors amplifier output under short circuit condition.
Line Voltmeter	Commercial Grade (0-150V AC)	Monitors potential of primary power to amplifier.
Variable Autotransformer (0-140V AC, 10 amps)	Powerstat, Model 116B	Adjusts level of primary power to amplifier.
Shorting Plug	Use phono plug with 600 ohm across center pin and shell.	Shorts amplifier input to eliminate noise pickup.
Output load (8 ohms, $\pm 1\%$ 100W)	Commercial Grade	Provides 8-ohm load for amplifier output termination.
Output load (4 ohms, $\pm 1\%$ 100W)	Commercial Grade	Provides 4-ohm load for amplifier output termination.

Table 1. Test Equipment Required for Servicing

3. AM ALIGNMENT PROCEDURE

3.1 AM IF Alignment

1. Connect a sweep generator to the J153 and an alignment scope to the test point B.
2. Rotate each core of IF transformer L153 for maximum height and flat top symmetrical response.

3.2 AM Frequency Range and Tracking Alignment

1. Set AM signal generator to 515 kHz. Turn the tuning capacitor fully closed (place the tuning pointer at the low end) and adjust the oscillator coil L152 for maximum audio output.
2. Set the signal generator to 1650 kHz. Place the tuning pointer in the high frequency end and adjust the oscillator trimmer on the oscillator tuning capacitor for maximum audio output.
3. Repeat steps 1 and 2 until no further adjustment is necessary.
4. Set the generator to 600 kHz and tune the receiver to the same frequency and adjust a slug core of AM ferrite rod antenna and RF coil L151 for maximum output.
5. Set the generator to 1400 kHz and tune the receiver to the same frequency and adjust both trimming capacitors of antenna and RF tuned circuit for maximum output.
6. Repeat steps 4 and 5 until no further adjustment is necessary.

Note: During tracking alignment reduce the signal generator output as necessary to avoid AGC action.

3.3 AM Signal Strength Meter Alignment

Set an AM signal generator to 1000 kHz at 5k μ V, and adjust R178 so that the signal strength meter may read 90% of the full scale.

4. FM ALIGNMENT PROCEDURE

1. Connect an FM signal generator to the FM ANTENNA terminals and an oscilloscope and an audio distortion analyzer to the TAPE OUTPUT jacks on the rear panel.
2. Set the FM SG to 87 MHz and provide about 3 to 5 μ V. Place the tuning pointer at the low frequency end by rotating the tuning knob and adjust the core of oscillator coil L104 to obtain maximum audio output.
3. Set the FM SG to 109 MHz and provide about 3 to 5 μ V output. Rotate the tuning knob and place the tuning pointer at the high frequency end and adjust the trimming capacitor C106 for maximum output.
4. Repeat steps 2 and 3 until no further adjustment is necessary.
5. Set the FM SG to 90 MHz and tune the receiver to the same frequency. Decrease signal generator output until the audio output level decreases with the decreasing generator output. Adjust the antenna coil L101, RF coils L102 and L103 and IF transformer L105 for minimum audio distortion.
6. Set the FM SG to 106 MHz and tune the receiver to the same frequency. Adjust the trimming capacitor C102, C104 and C105 for minimum distortion.
7. Repeat steps 5 and 6 until no further adjustment is necessary.
8. Adjust the secondary core (upper) of discriminator transformer L201 so that the center tuning meter pointer indicates its center at no signal applied. Set the FM SG to 98 MHz and increase its output level 1 k μ V and tune the receiver to the same frequency so that the center tuning meter pointer indicates its center.
Adjust the primary core (lower) of L201 for minimum distortion.
9. Set the FM SG to 98 MHz at 1000 k μ V, and adjust R374 so that the signal strength meter may read 90% of the full scale.

5. STEREO SEPARATION ALIGNMENT

1. Set the FM SG to provide 1 k μ V at 98 MHz. Tune the receiver to the same frequency so that the center tuning meter pointer indicates its center.
2. Turn the FM SG modulation off (with the pilot signal turned off), connect a frequency counter to test point J310, and adjust R311 so that the frequency counter may precisely read 19 kHz.
3. Modulate the FM SG with stereo composite signal consisting only of subchannel signal (of course a pilot signal must be included).
4. Adjust the trimming resistor R301 for maximum and same separation in both channels.

6. MUTING CIRCUIT ALIGNMENT

1. Connect a VTVM across the resistor R363 and adjust the resistor R363 until the meter reads 0.75V DC at no signal.
2. Set the FM SG to provide 1 k μ V at 98 MHz and tune the receiver to the same frequency correctly.
3. Turn on MUTING push switch. Shift the FM signal generator frequency to plus and minus and note both plus and minus shifted frequencies at which undesirable audio side responses are muted out. Adjust the R363 so that the same shifted frequencies mute the undesirable side response.
4. Adjust R362 for proper frequency shift at which the muting circuit operates.

7. DOLBY FM TAPE OUTPUT SETTING

1. Set the modulation of FM SG to 400 Hz, 50% (\pm 37.5 kHz Dev.)
2. Set the FM SG to provide 1 k μ V at 98 MHz. Tune the receiver to the same frequency so that the center tuning meter pointer indicates its center.
3. Turn on DOLBY FM push switch. Set the semifixed resistors RC01 and RC02 so that the output of the TAPE OUTPUT terminals R and L become 580 mV at VTVM.

8. AUDIO ADJUSTMENT

1. Voltage adjustment
Connect a DC voltmeter between pin terminal 804 and 805, and adjust the trimming resistor R806 for 35V DC.
2. Main Amplifier DC off-set alignment
Connect a DC voltmeter with 0.5 or 1 V range between the speaker terminals and adjust the trimming resistor R707 for "zero" DC output on the meter.
Repeat the same procedure for the other channel.
Note: During this alignment no load should be connected to the speaker terminals.
3. Idle-current adjustment
Connect a VTVM between pin terminals 708 and 710. Next, adjust the trimming resistor R719 so the VTVM reads 10mV DC. Repeat the same procedure for the other channel.
4. Check DC off-set voltage aligned in the procedure 2 and if any DC output is observed on the DC voltmeter, adjust the R707 again for "zero" output.
5. Phono-amplifier adjustment
Connect an oscilloscope to the TAPE OUT jacks and an audio signal generator to the PHONO jacks. Place the selector switch in the PHONO position. Increase 1 kHz audio signal gradually until a slight clipping on top of the sine-wave is observed on the oscilloscope.
Adjust the trimming resistor R408 for equal clipping level.
For the other channel adjust R409.

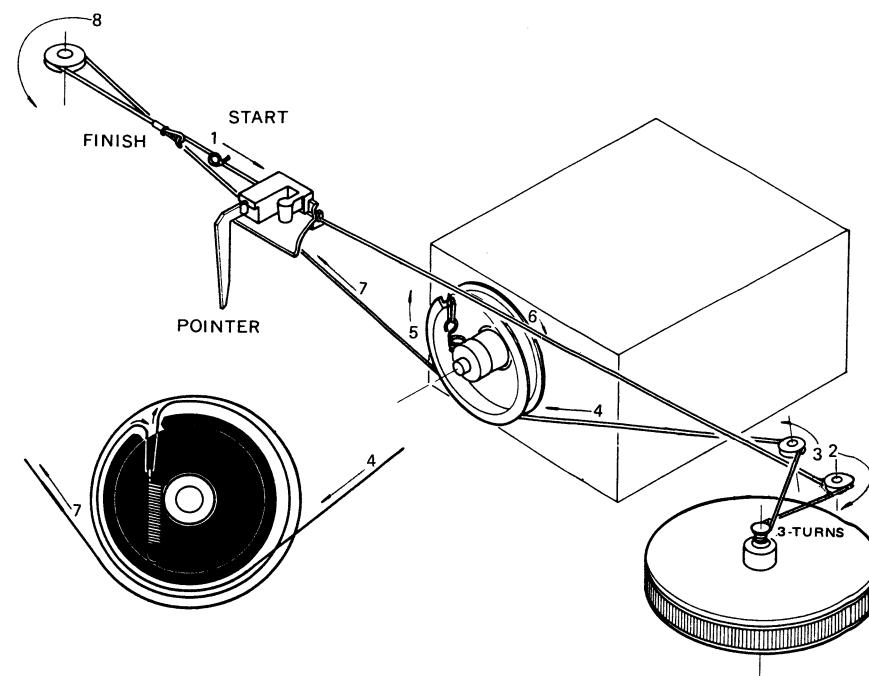


Figure 1. Dial Stringing

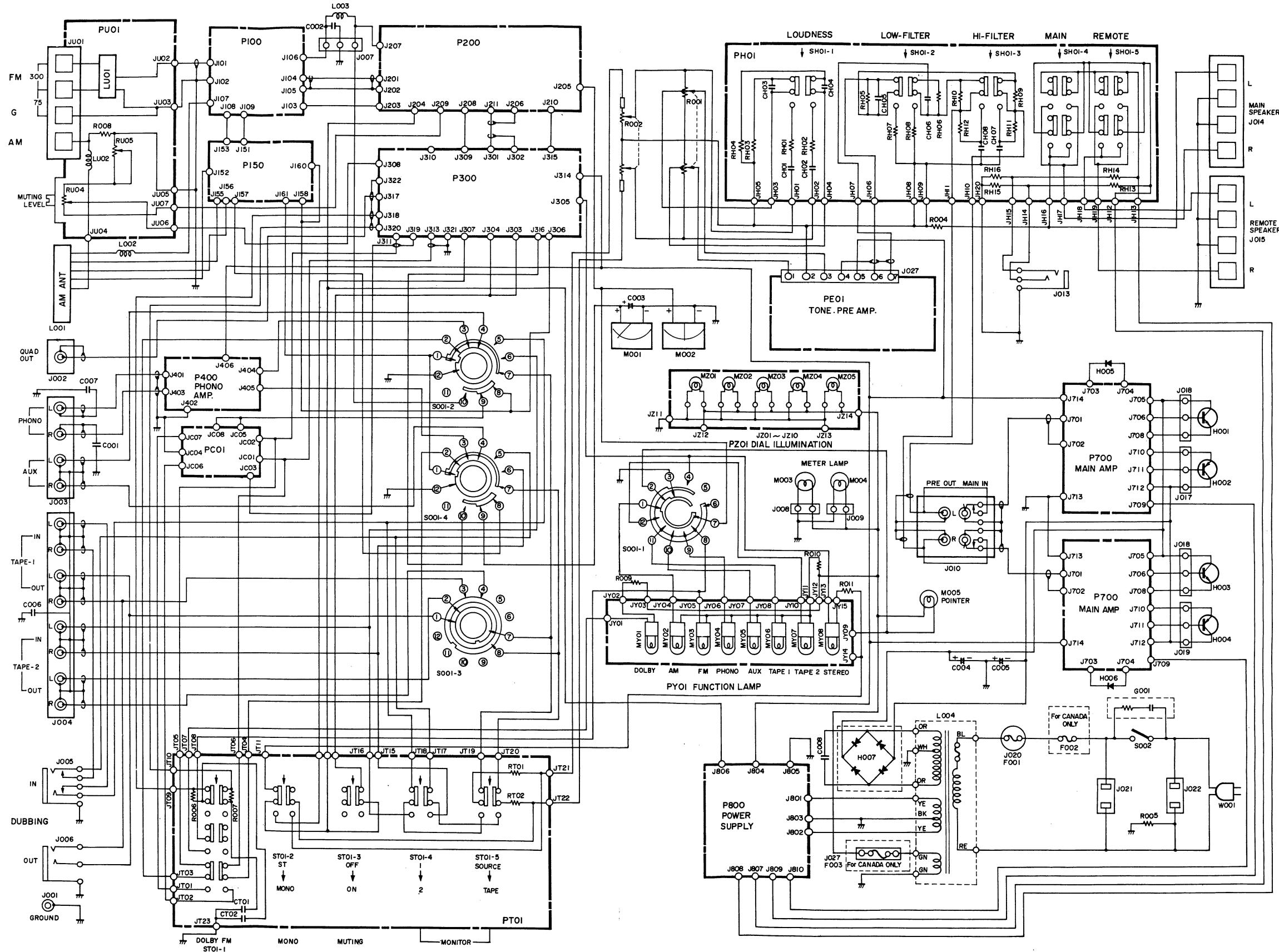
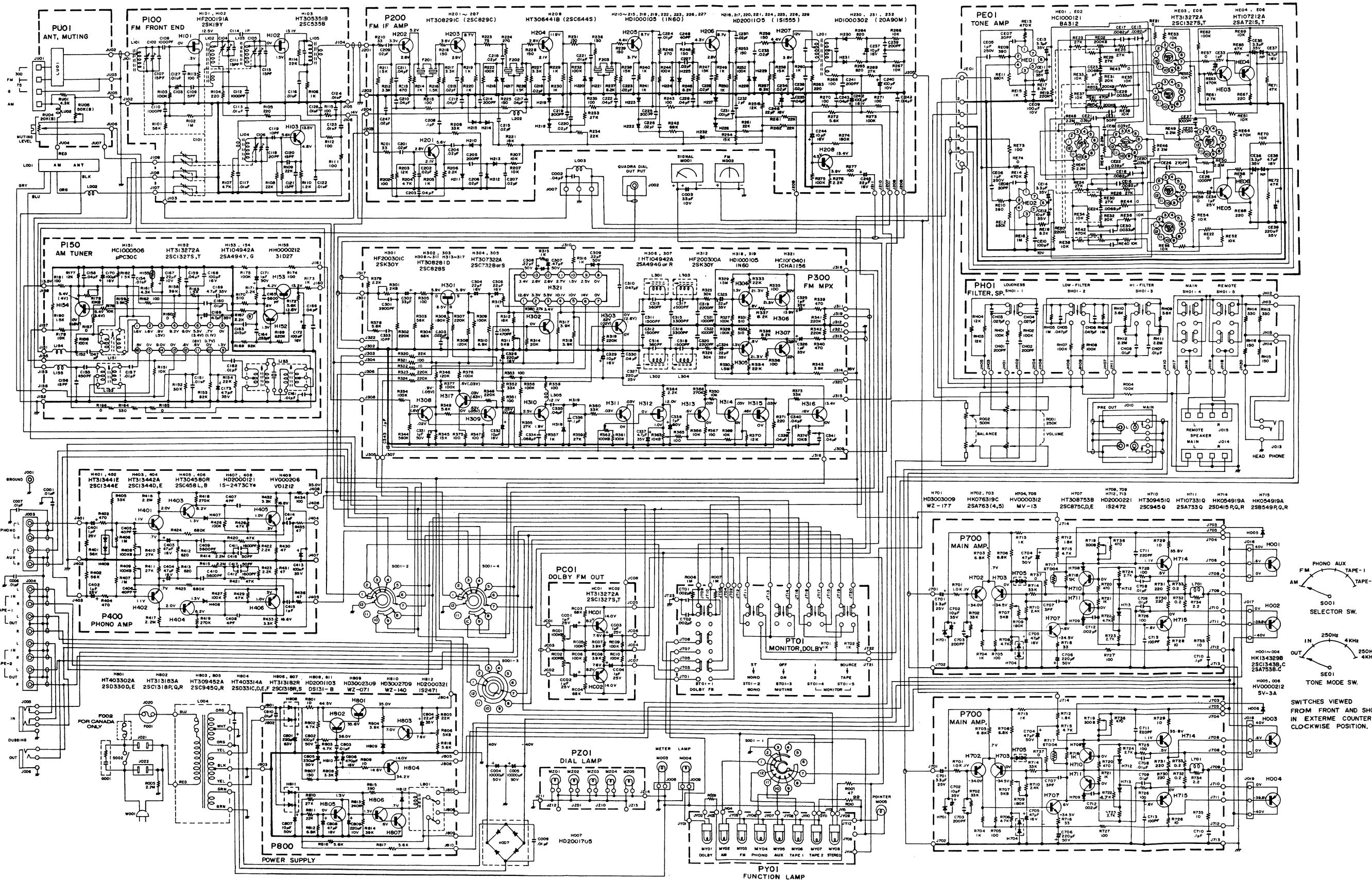


Figure 2. Wiring Diagram



Model 2250B NOTE: This schematic diagram applied to units manufactured for the U.S.A. market.

Figure 3. Schematic Diagram

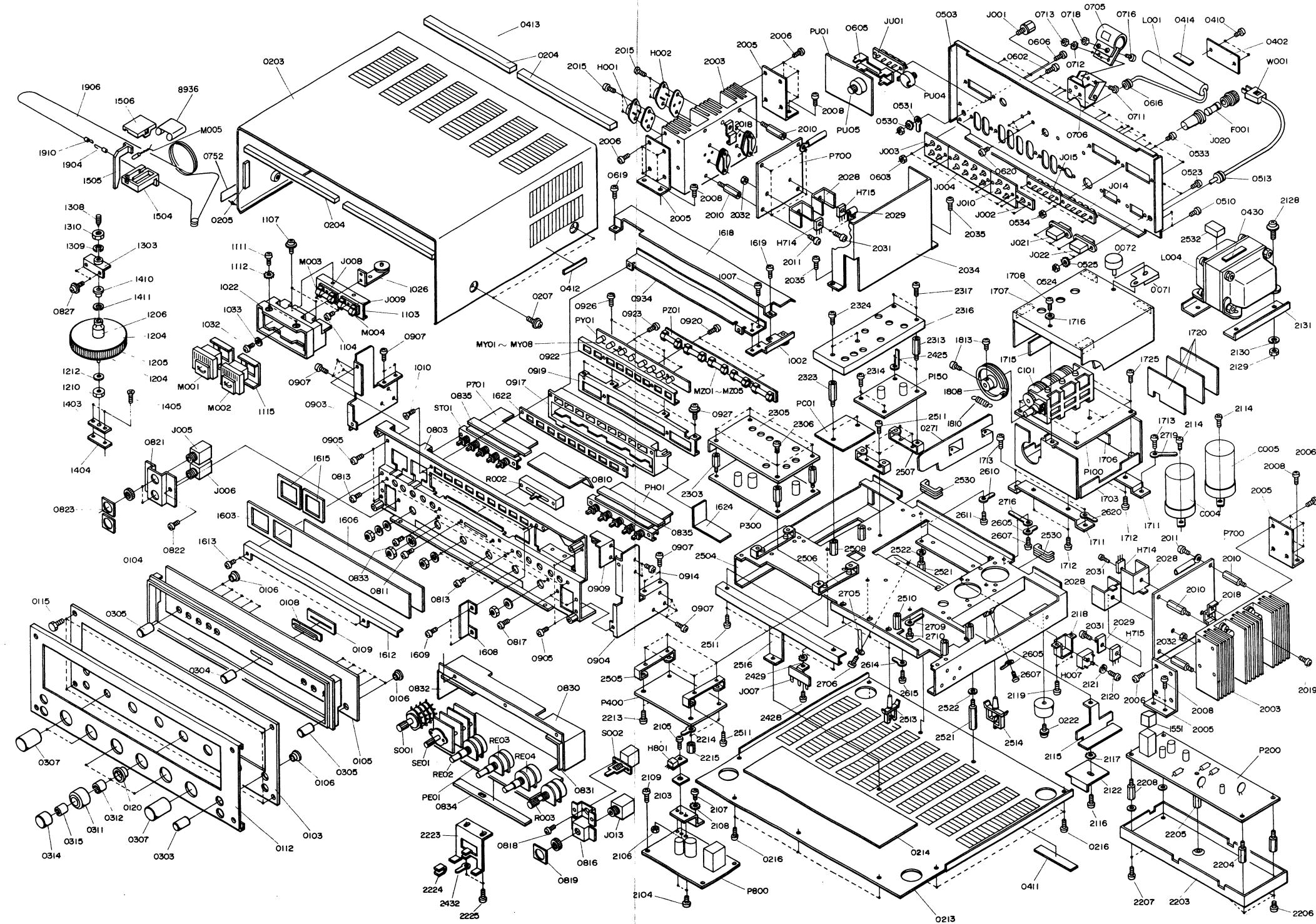


Figure 4. Exploded Mechanical Diagram

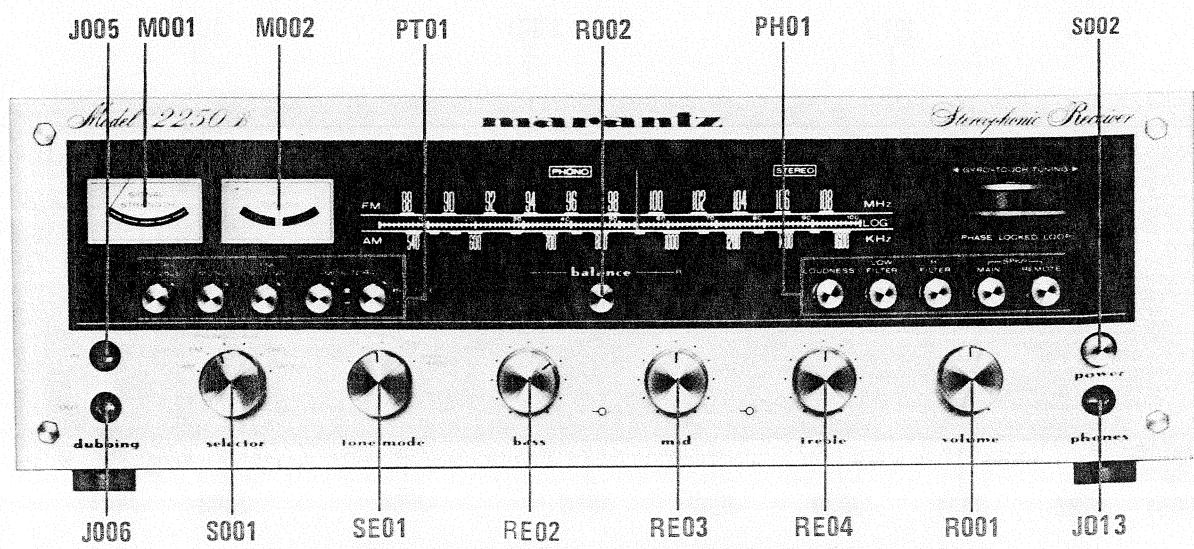


Figure 5. Front Panel Adjustments and Component Locations

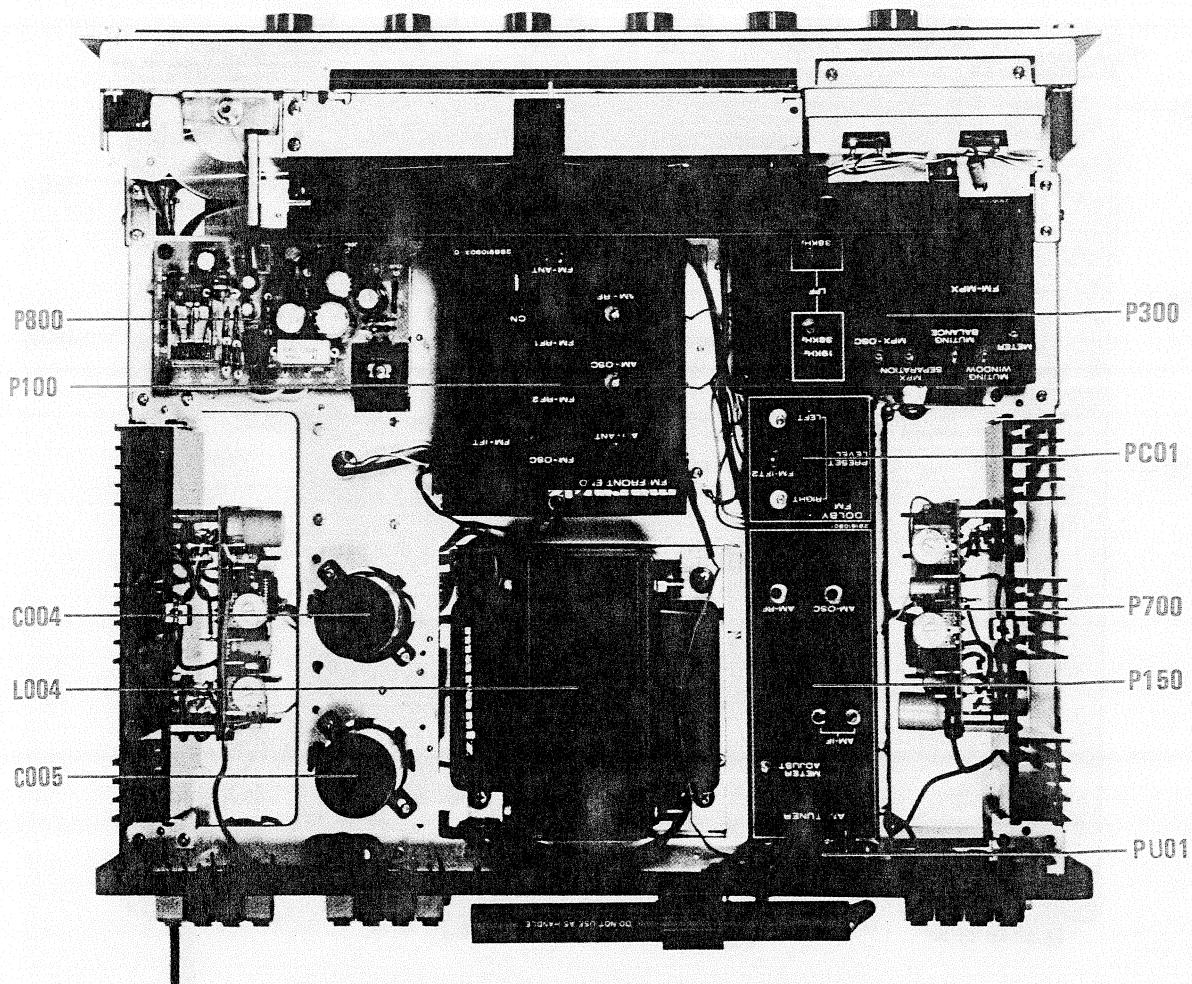


Figure 6. Main Chassis Component Locations (Top View)

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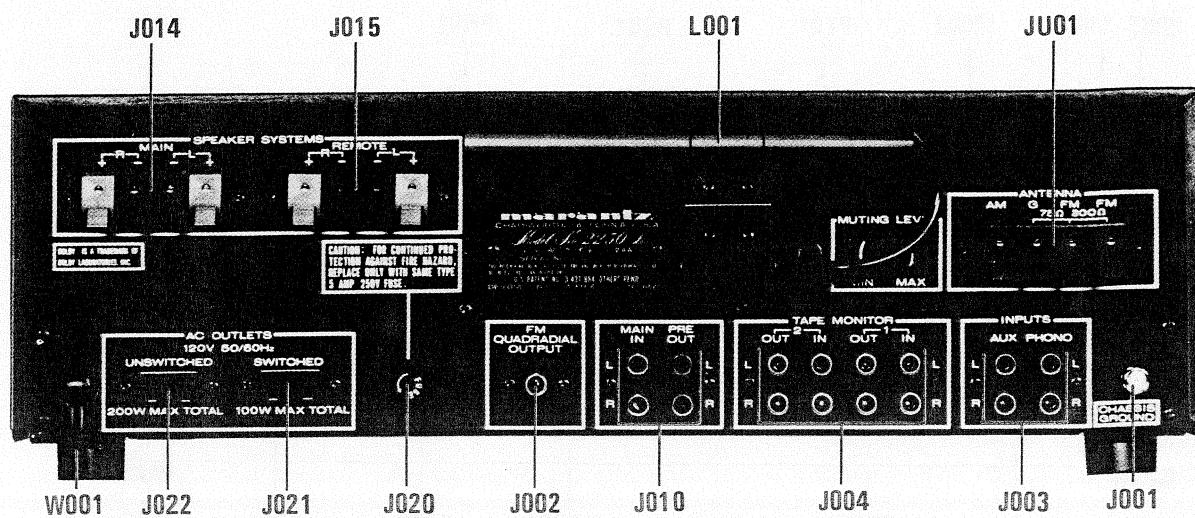


Figure 7. Rear Panel Adjustment and Component Locations

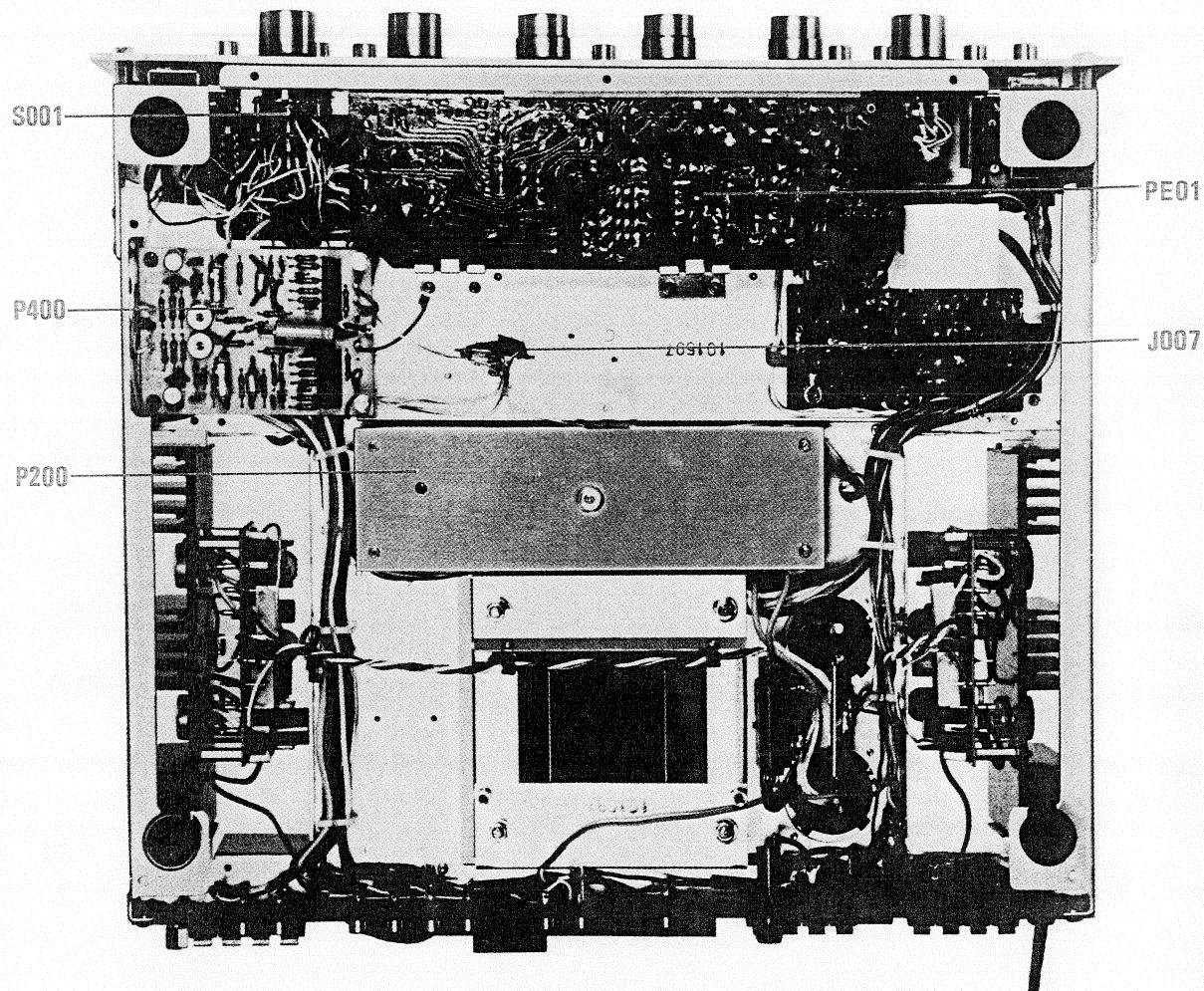


Figure 8. Main Chassis Component Locations (Bottom View)

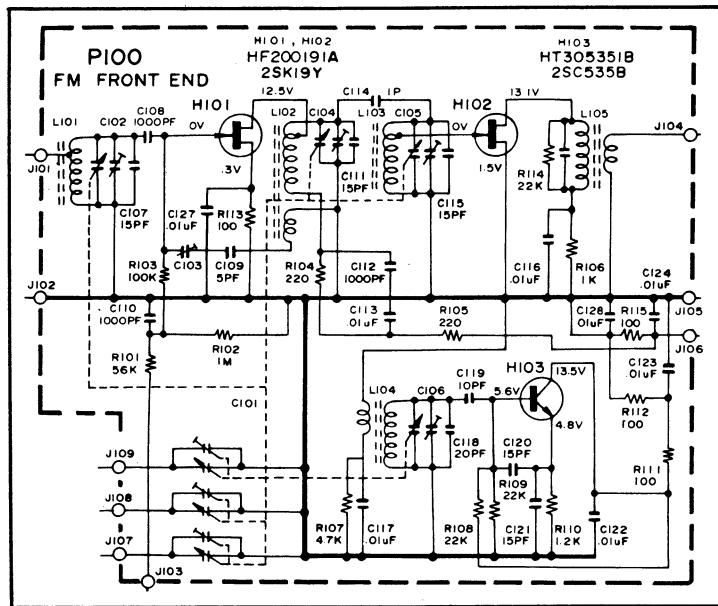


Figure 9. FM Front End (P100) Schematic Diagram

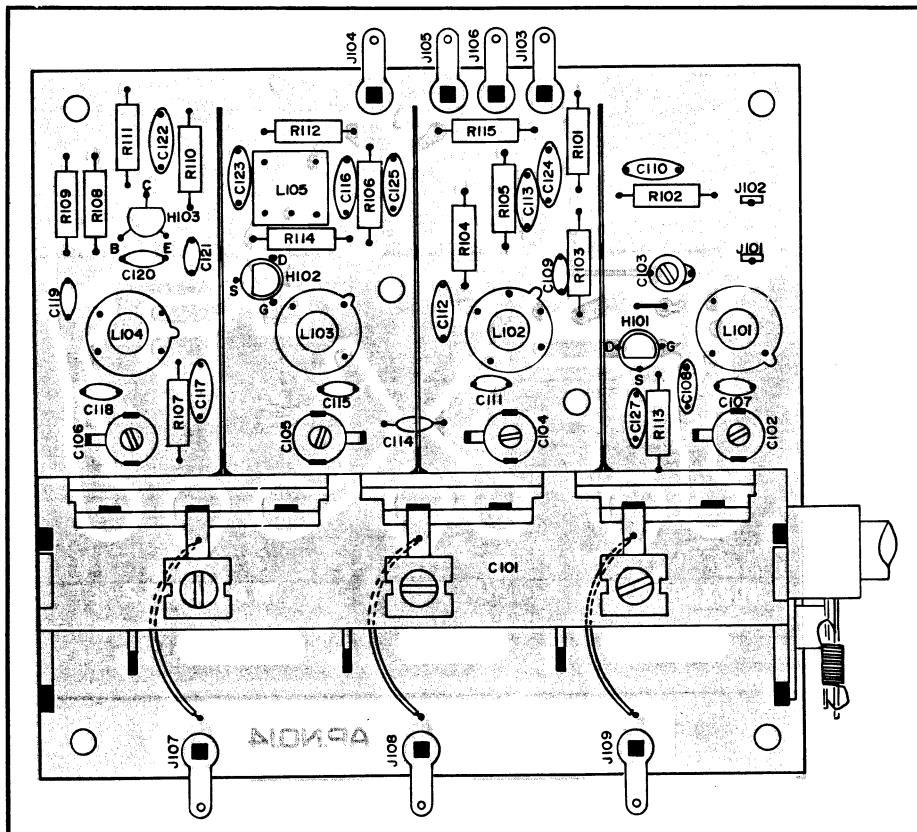


Figure 10. FM Front End (P100) Component Locations

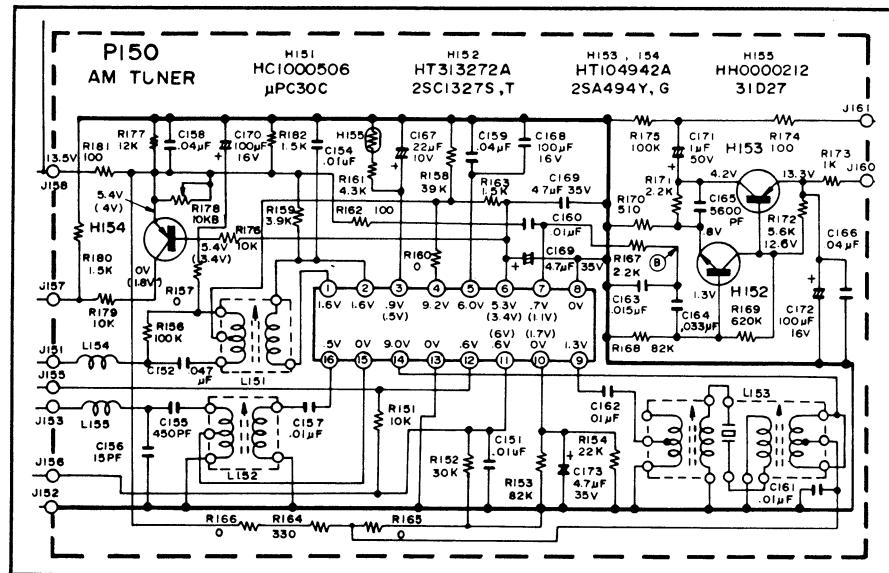


Figure 11. AM Tuner (P150) Schematic Diagram

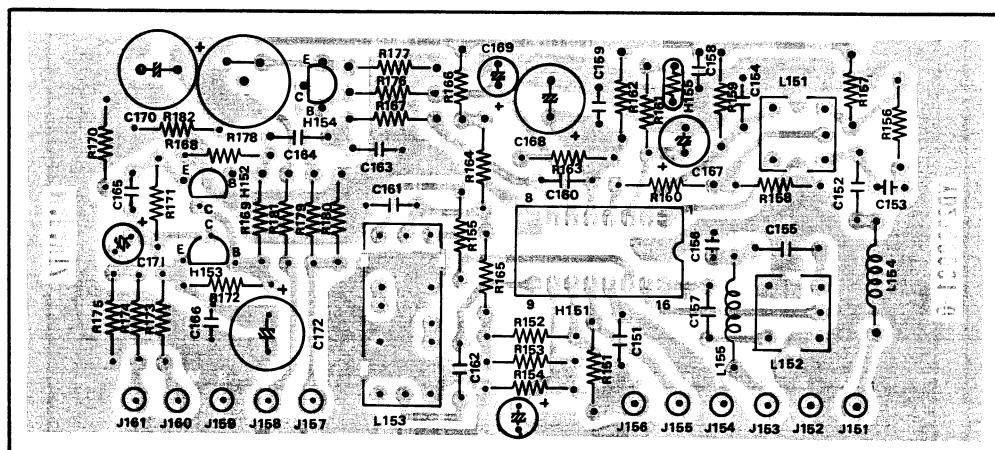


Figure 12. AM Tuner (P150) Component Locations

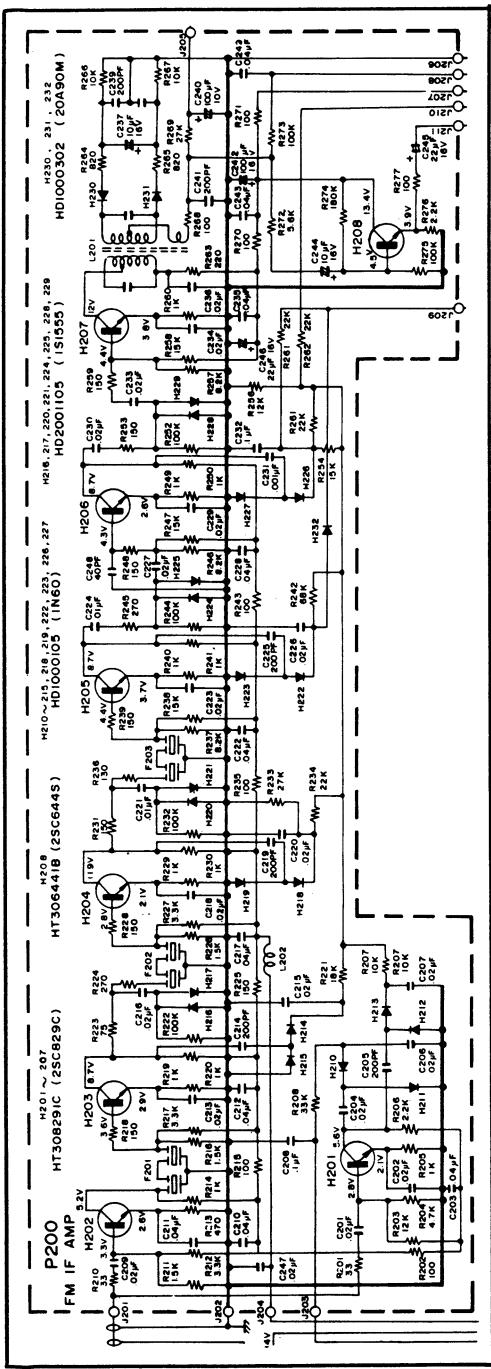


Figure 13. FM IF (P200) Schematic Diagram

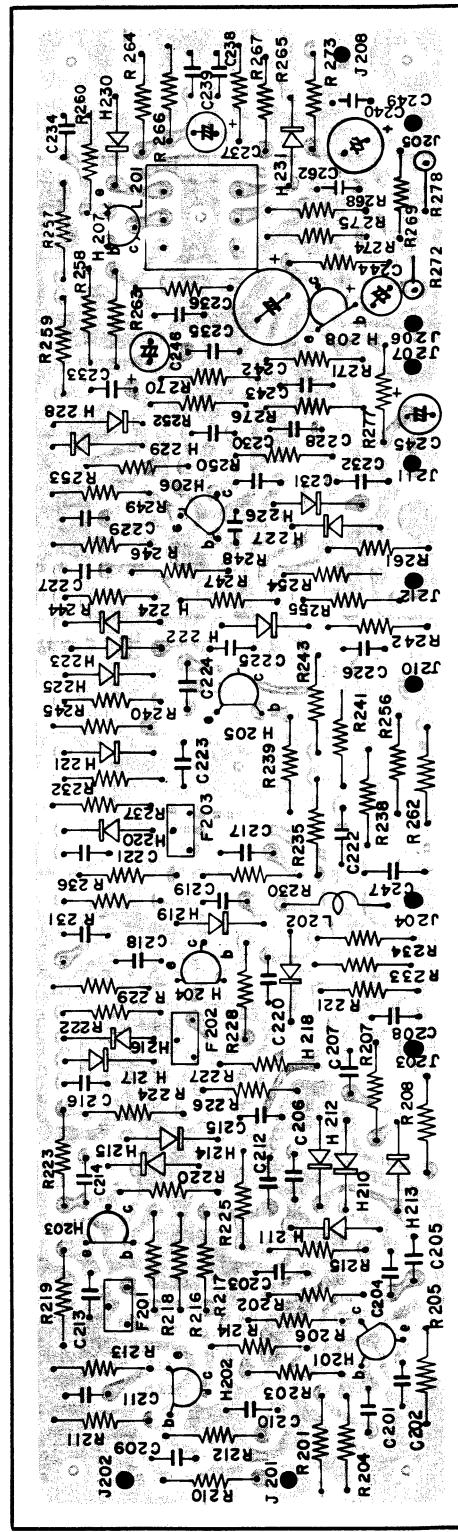


Figure 14. FM IF (P200) Component Locations

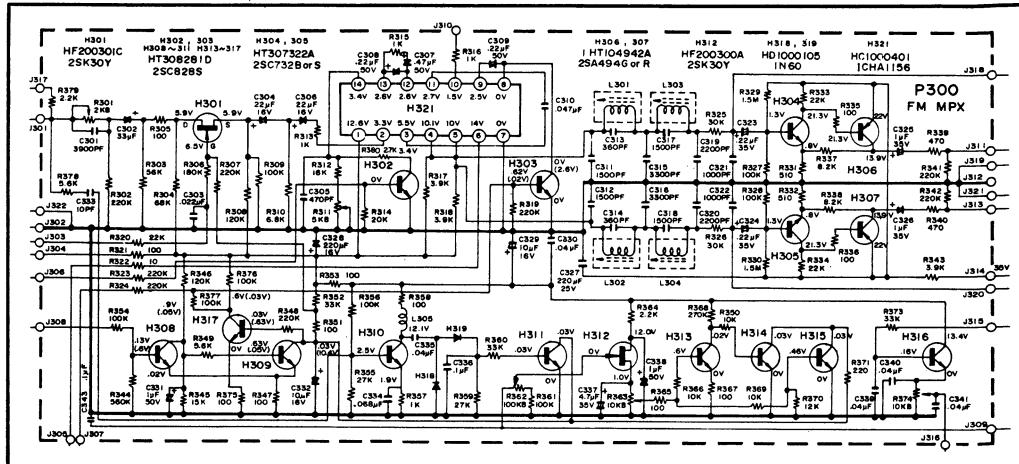


Figure 15. FM MPX (P300) Schematic Diagram

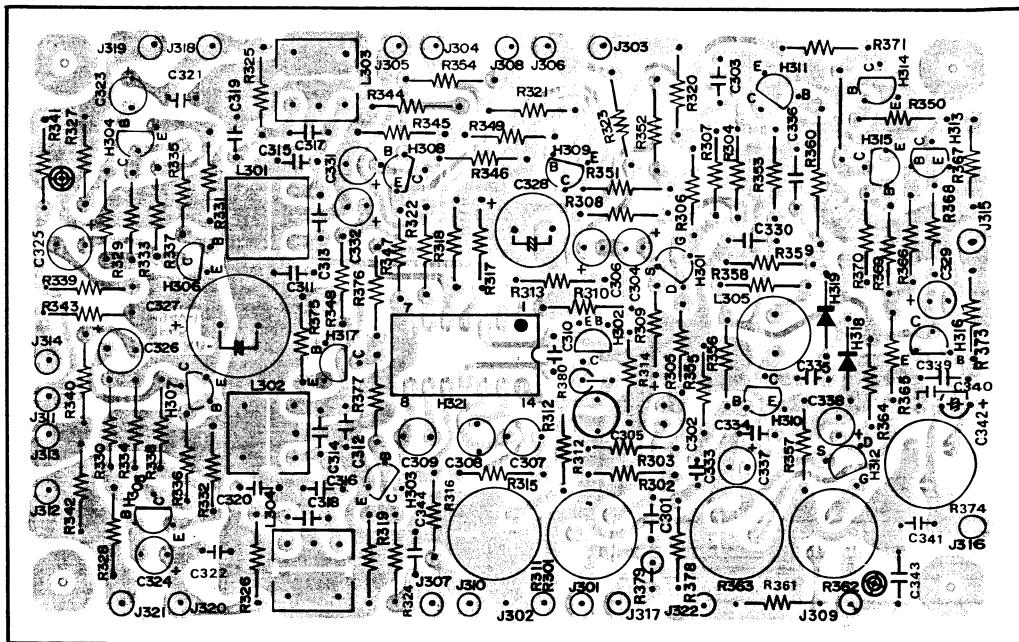


Figure 16. FM MPX (P300) Component Locations

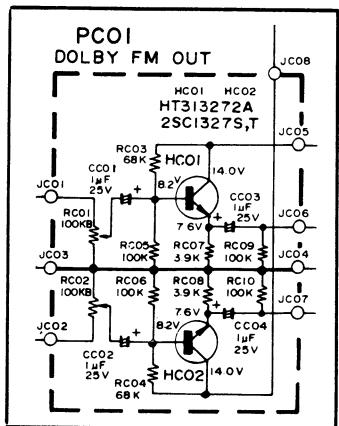


Figure 17. Dolby FM Assembly (PC01) Schematic Diagram

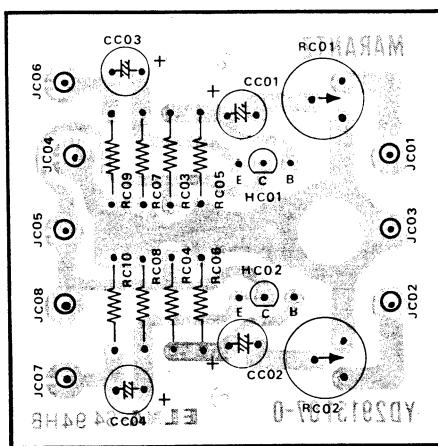


Figure 18. Dolby FM Assembly (PC01) Component Locations

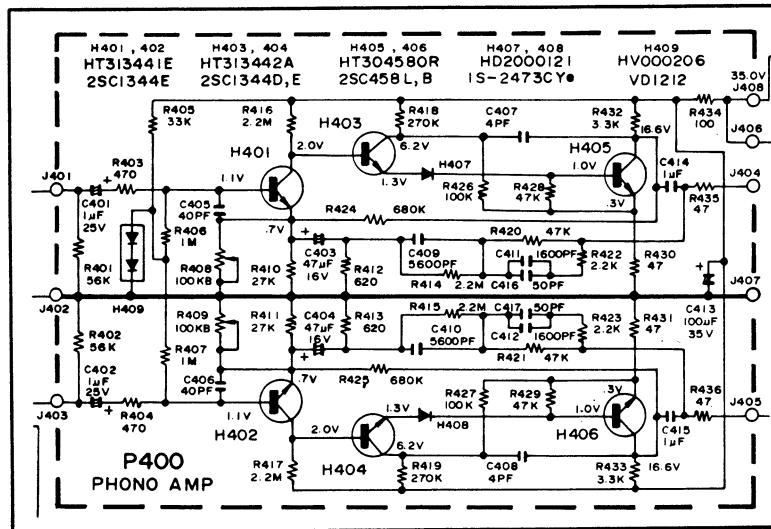


Figure 19. Phono Amplifier (P400) Schematic Diagram

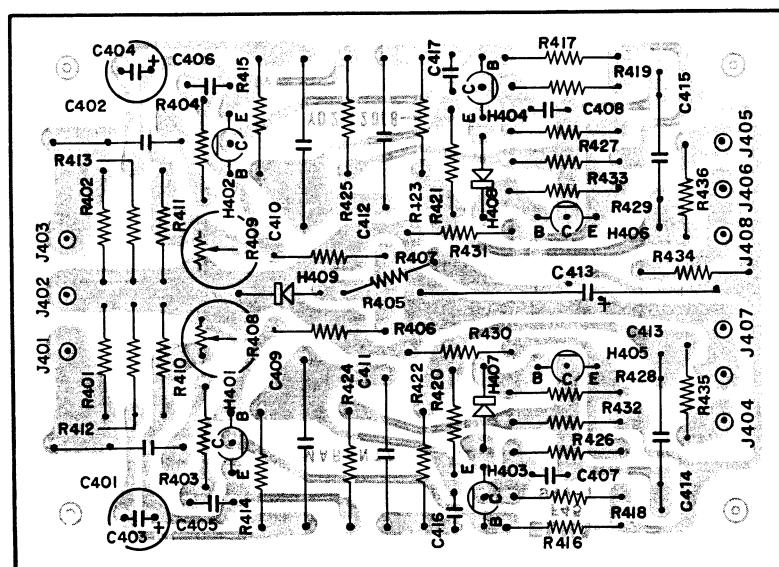


Figure 20. Phono Amplifier (P400) Component Locations

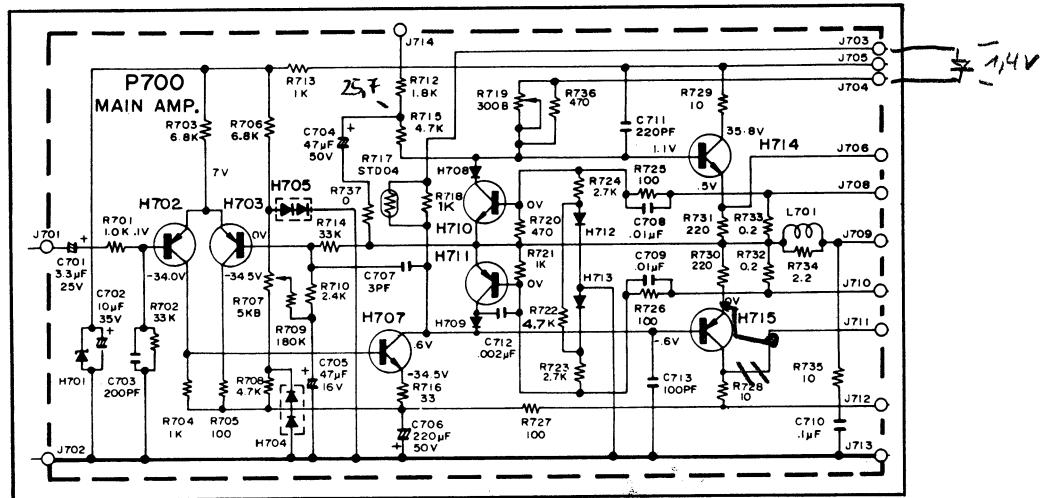


Figure 21. Main Amplifier (P700) Schematic Diagram

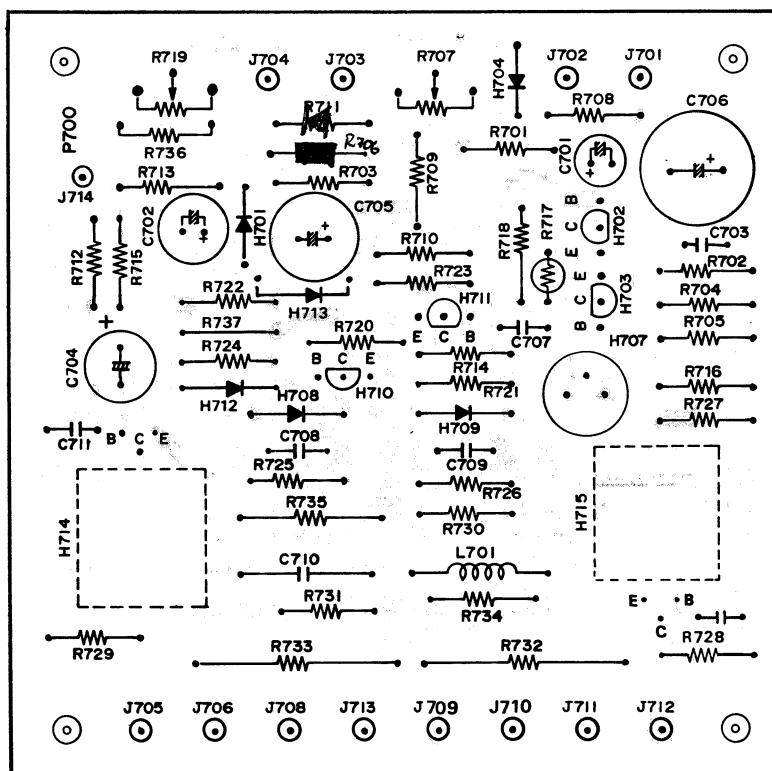


Figure 22. Main Amplifier (P700) Component Locations

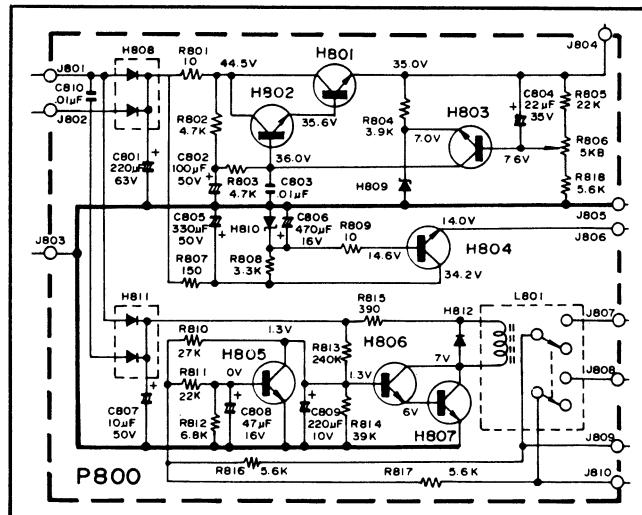


Figure 23. Power Supply (P800) Schematic Diagram

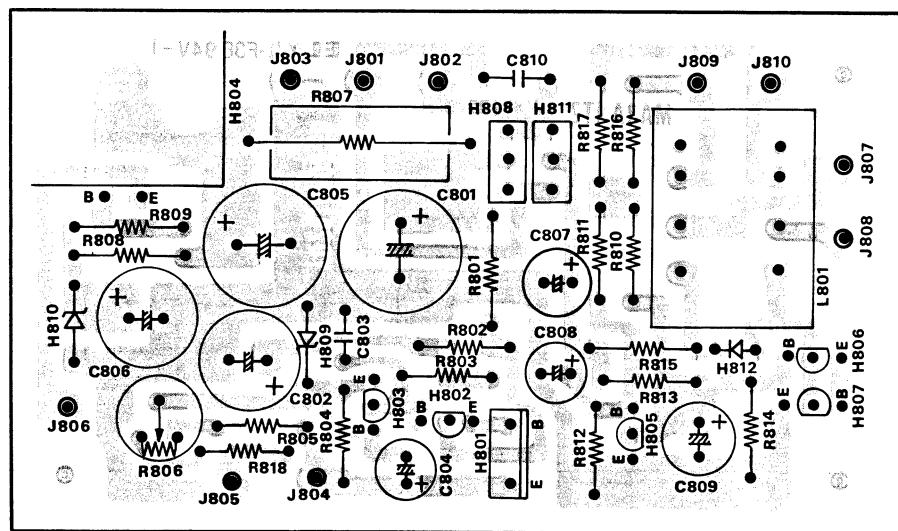


Figure 24. Power Supply (P800) Component Locations

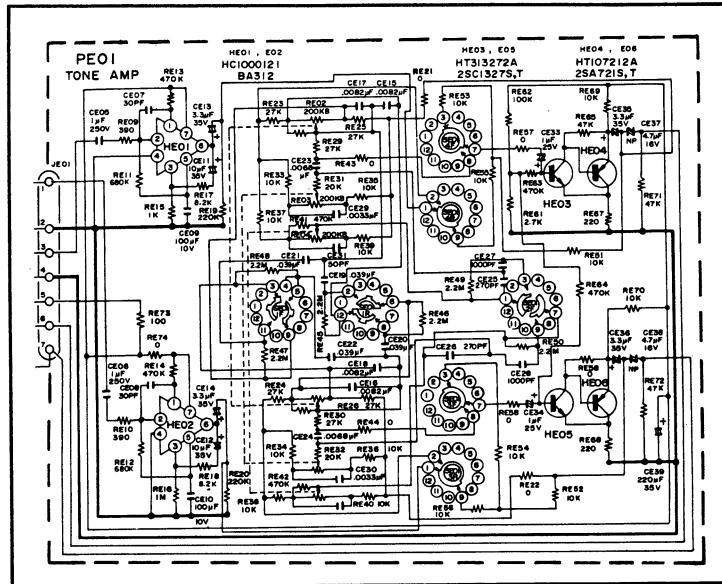


Figure 25. Pre Tone Amplifier (PE01) Schematic Diagram

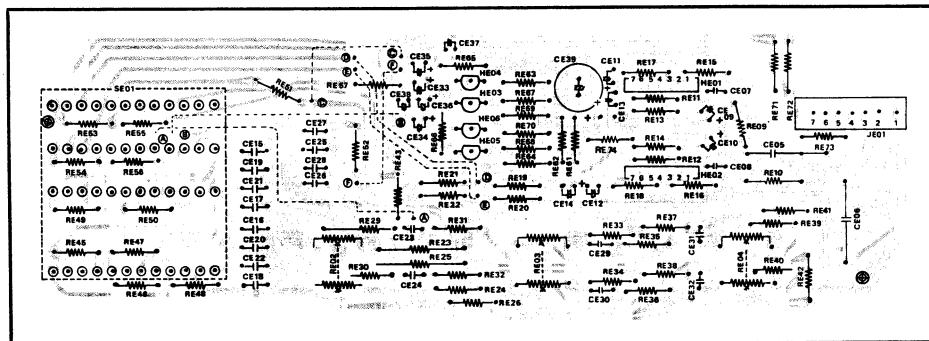


Figure 26. Pre Tone Amplifier (PE01) Component Locations

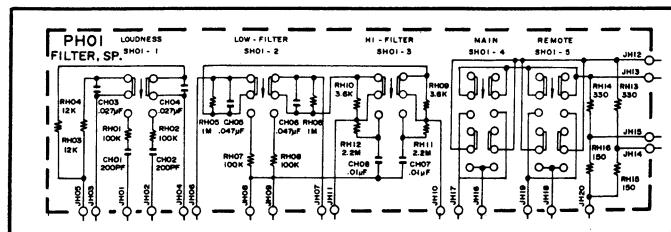


Figure 27. Filter (PH01) Schematic Diagram

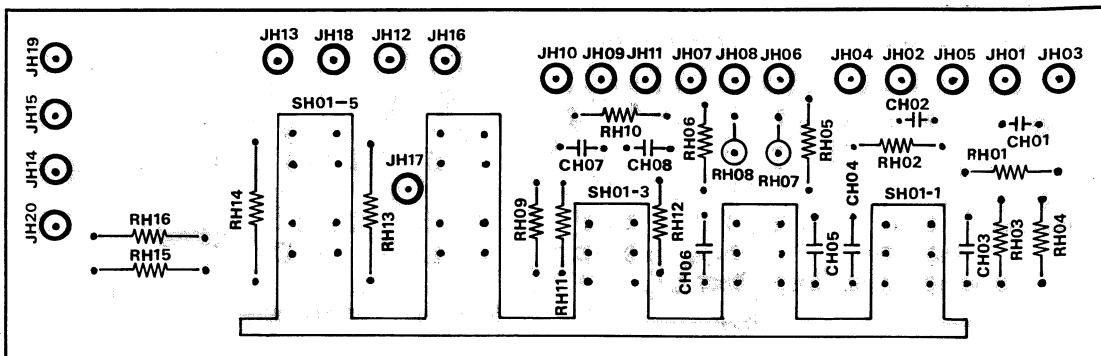


Figure 28. Filter (PH01) Component Locations

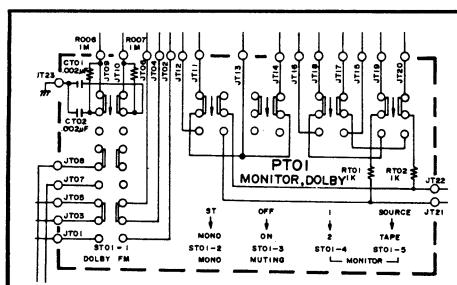


Figure 29. Monitor (PT01) Schematic Diagram

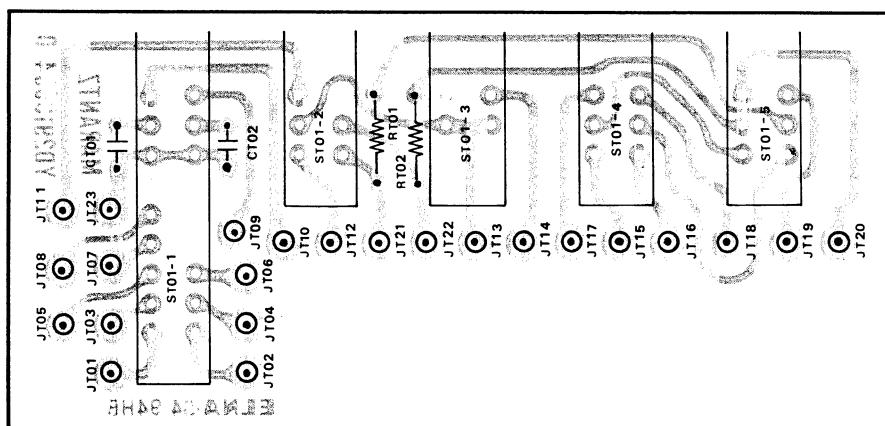


Figure 30. Monitor (PT01) Component Locations

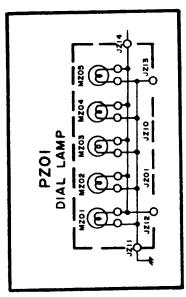


Figure 31. Dial Lamp (PZ01) Schematic Diagram

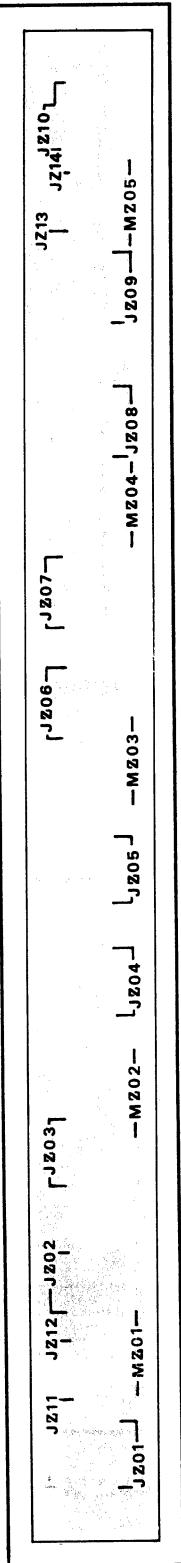


Figure 32. Dial Lamp (PZ01) Component Locations

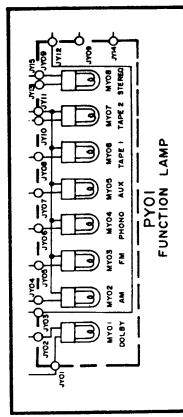


Figure 33. Function Lamps Assembly (PY01) Schematic Diagram

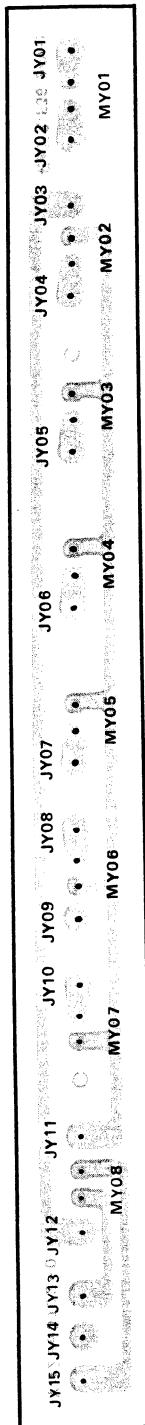


Figure 34. Function Lamps Assembly (PY01) Component Locations

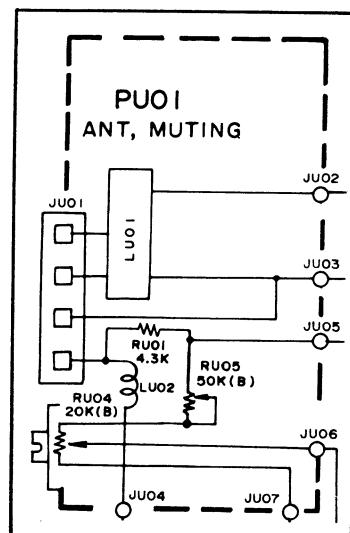


Figure 35. Ant. Muting (PU01) Schematic Diagram

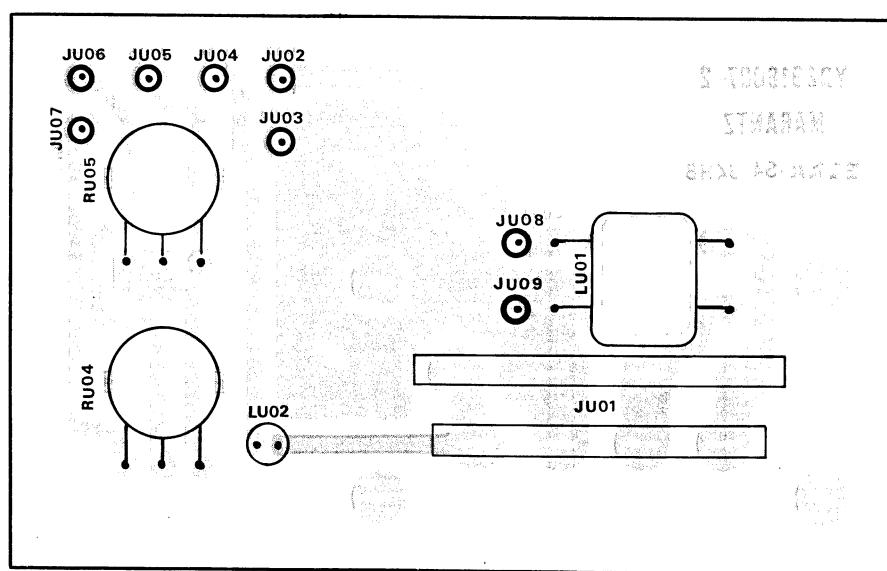


Figure 36. Ant. Muting (PU01) Component Locations

TECHNICAL SPECIFICATIONS

Amplifier Section:

RATED POWER OUTPUT	50 Watts per channel, Continuous Average Power, both channels driven.
Power Band	20 Hz to 20kHz
Total Harmonic Distortion	0.25%
Load Impedance	8 Ω
Intermodulation Distortion at Rated Power	0.25%
Damping Factor	55
Frequency Response	20 Hz to 20 kHz ±0.5 dB

Preamplifier Sections:

Phono:

Dynamic Range	96 dB
NOTE: Dynamic Range is the ratio in dB of the phono input overload to equivalent input noise.	
Equivalent Input Noise	1.5 μV
Input Overload	100 mV
Sensitivities (for rated power output)	
Phono	1.8 mV
Tape	180 mV
Main In	1.5 V
Frequency Response (phono)	30 Hz to 15 kHz ±1.0 dB

Input Impedances

Phono	47 kΩ
Aux or Tape	100 kΩ
Main In	30 kΩ
Tape Output Level	
Ref: 7.75 mV at phono input	775 mV
Signal to Noise Ratio	
Aux Input	85 dB
Phono Input	75 dB
Tone Controls	
Bass: 100 Hz	±10 dB
Tone Mode at 250 Hz	±3 dB
Mid: 700 Hz	±7.5 dB
Treble: 10 kHz	±10 dB
Tone Mode at 4 kHz	±3 dB

FM Tuner Section:

IHF Usable Sensitivity	2.5 μV
Selectivity (alternate carrier)	60 dB
Quieting Slope	
RF Input for 30 dB Quieting	1.9 μV
Quieting at 5μV RF Input	55 dB
Quieting at 10μV RF Input	60 dB
Quieting at 50μV RF Input	70 dB

Total Harmonic Distortion

Mono:	.....	0.2%
Stereo:	.....	0.4%
Capture Ratio	.....	1.5 dB
Stereo Separation at 1 kHz	.....	40 dB
Spurious Rejection	.....	95 dB
Image Rejection	.....	70 dB
IF Rejection	.....	90 dB
AM Suppression	.....	55 dB

AM Tuner Section:

Sensitivity 20 μ V

General:

Power Requirements 120 V AC, 50/60 Hz

Power Consumption at rated

output, both channels operating 220 Watts

Idling Power (Volume Control at zero) 35 Watts

Dimensions:

Panel Width 17-3/8 inches

Panel Height 5-3/8 inches

Depth 14-3/8 inches

Weight:

Unit Alone 34.1 lbs

Packed for Shipment 40.7 lbs

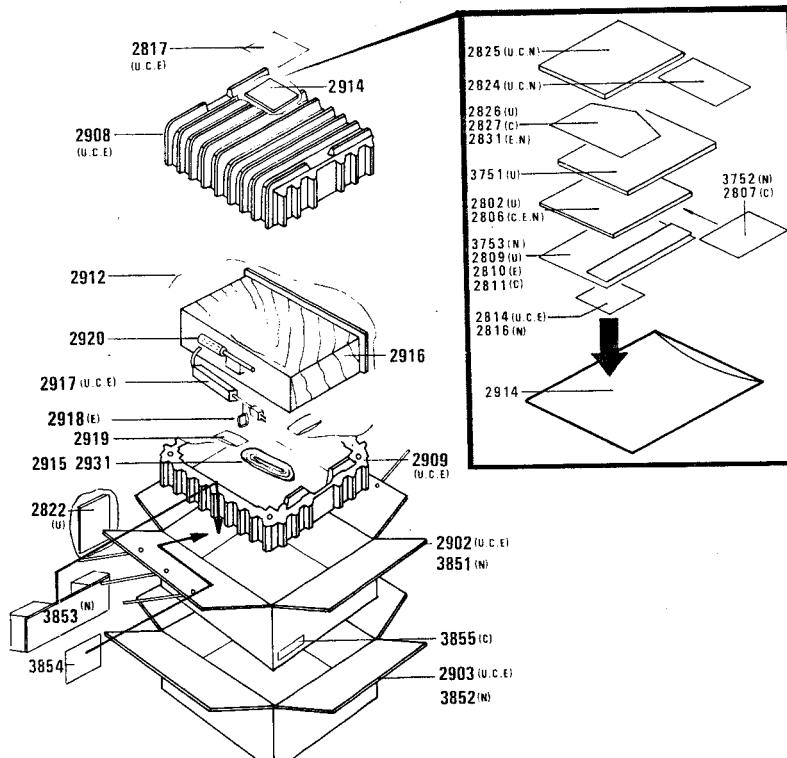


Figure 37. Packing

U: For U.S.A.
C: For Canada
E: For Europe
N: For Scandinavia

Parts List

U: For U.S.A.
C: For Canada
E: For Europe
N: For Scandinavia

REF. DESIG.	Q'TY				PARTS NO.	DESCRIPTION	REF. DESIG.	Q'TY				PARTS NO.	DESCRIPTION
	U	C	E	N				U	C	E	N		
A 0103	1	1	1	1	296006340	Front Panel Assembly	1725	5	5	5	5	51100306S	B.H.M. Screw, B3 x 6
0104	1	1	1	1	296006301	Escutcheon	P100	1	1	1	1	YD2819002	P100 FM FRONT END BOARD
0105	1	1	1	1	285340101	Frame		1	1	1	1	ZZ2928102	P.W. Board
0106	1	1	1	1	291615801	Window	R101	1	1	1	1	RT0556314	Resistor, 56kΩ ±5% 1W
0108	1	1	1	1	288625901	Bushing	R102	1	1	1	1	RT0510514	Resistor, 1MΩ ±5% 1W
0109	1	1	1	1	285425901	Bushing	R103	1	1	1	1	RT0510414	Resistor, 100kΩ ±5% 1W
0112	1	1	1	1	291510701	Sheet	R104	1	1	1	1	RT0522114	Resistor, 220Ω ±5% 1W
					292805301	Cover	R105	1	1	1	1	RT0522114	Resistor, 220Ω ±5% 1W
B 0311	3	3	3	3	281815440	Knob Assembly, Lower	R106	1	1	1	1	RT0510214	Resistor, 1kΩ ±5% 1W
0312	3	3	3	3	281815404	Knob	R107	1	1	1	1	RT0547214	Resistor, 4.7kΩ ±5% 1W
					71400149Q	Spring	R108	1	1	1	1	RT0522314	Resistor, 22kΩ ±5% 1W
C 0314	3	3	3	3	281815441	Knob Assembly, Upper	R109	1	1	1	1	RT0522314	Resistor, 22kΩ ±5% 1W
0315	3	3	3	3	281815405	Knob	R110	1	1	1	1	RT0512214	Resistor, 1.2kΩ ±5% 1W
					71400159Q	Spring	R111	1	1	1	1	RT0510114	Resistor, 100Ω ±5% 1W
D 1204	1	1	1	1	285327340	Flywheel Assembly	R112	1	1	1	1	RT0510114	Resistor, 100Ω ±5% 1W
1205	2	2	2	2	257706302	Escutcheon	R113	1	1	1	1	RT0510114	Resistor, 100Ω ±5% 1W
1206	1	1	1	1	257727301	Flywheel	R114	1	1	1	1	RT0522314	Resistor, 22kΩ ±5% 1W
1210	1	1	1	1	285311201	Shaft	R115	1	1	1	1	RT0510114	Resistor, 100Ω ±5% 1W
1212	1	1	1	1	53110603E	Hexagon Nut	C101	1	1	1	1	CA4330001	Variable Cap.
					54020601E	Flat Washer, P.	C102	1	1	1	1	CT1100001	Trimming Cap., 1.5~10pF
E 1504	1	1	1	1	291510340	Pointer Assembly	C103	1	1	1	1	CT1100002	Trimming Cap., 1.5~10pF
1505	1	1	1	1	291510301	Pointer	C104	1	1	1	1	CT1100001	Trimming Cap., 1.5~10pF
1506	1	1	1	1	281810302	Pointer	C105	1	1	1	1	CT1100001	Trimming Cap., 1.5~10pF
0671	1	1	1	1	291510302	Pointer	C106	1	1	1	1	CT1100001	Trimming Cap., 1.5~10pF
M005	1	1	1	1	291526703	Heatsink	C107	1	1	1	1	DD1615001	Ceramic Cap., 15pF ±10%
					IN1008030	Lamp	C108	1	1	1	1	DK1710201	Ceramic Cap., 1000pF±20%
F 1808	1	1	1	1	281915943	Drum Assembly	C109	1	1	1	1	DD1105001	Ceramic Cap., 5pF ±0.5pF
1810	1	1	1	1	281915901	Drum	C110	1	1	1	1	DK1710201	Ceramic Cap., 1000pF±20%
1813	1	1	1	1	71101689L	Spring	C111	1	1	1	1	DD1615001	Ceramic Cap., 15pF ±10%
	2	2	2	2	51064019A	Set Screw	C112	1	1	1	1	DK1710201	Ceramic Cap., 1000pF±20%
G 1904	1	1	1	1	120200640	Hook Assembly	C113	1	1	1	1	DK1710301	Ceramic Cap., 0.01μF ±20%
1906	1	1	1	1	120225801	Hook	C114	1	1	1	1	DD1001001	Ceramic Cap., 1.0pF±0.25pF
					72080802A	String	C115	1	1	1	1	DD1615001	Ceramic Cap., 15pF ±10%
H 0203	1	1	1	1	291625740	Lid Assembly, Upper	C116	1	1	1	1	DK1710301	Ceramic Cap., 0.01μF±20%
0204	5	5	5	5	257711807	Lid	C117	1	1	1	1	DK1710301	Ceramic Cap., 0.01μF±20%
0205	4	4	4	4	285605601	Spacer	C118	1	1	1	1	DD1520002	Ceramic Cap., 20pF ±5%
0206	1	1	1	1	291705601	Buffer	C119	1	1	1	1	DD1210006	Ceramic Cap., 10pF ±1pF
						Buffer	C120	1	1	1	1	DD1615003	Ceramic Cap., 15pF ±10%
I 0213	1	1	1	1	291625741	Lid Assembly, Lower	C121	1	1	1	1	DD1615003	Ceramic Cap., 15pF ±10%
0214	1	1	1	1	291625702	Lid	C122	1	1	1	1	DK1710301	Ceramic Cap., 0.01μF±20%
					291512001	Insulator	C123	1	1	1	1	DK1710301	Ceramic Cap., 0.01μF±20%
J 0505					296016040	Rear Panel Assembly	C124	1	1	1	1	DK1710301	Ceramic Cap., 0.01μF±20%
0514					296016022	Bracket	C125	1	1	1	1	DK1710301	Ceramic Cap., 0.01μF±20%
0516					284906702	Cap	C126	1	1	1	1	LA1202603	Ant. Coil
0517					282125901	Bushing	C127	1	1	1	1	LA1202604	RF Coil
					55060305S	T.R. Rivet	C128	1	1	1	1	LA1202605	RF Coil
							L101	1	1	1	1	LO1202608	Osc. Coil
							L102	1	1	1	1	LI1001601	IFT
							L103	1	1	1	1	HF200191A	FET,
							L104	1	1	1	1	HF200191A	2SK19(Y)
							L105	1	1	1	1	HT305351B	FET,
							H101	1	1	1	1	YP1000094	2SK19(Y)
							H102	1	1	1	1		Transistor,
							H103	1	1	1	1		2SC535(B)
							J101	1	1	1	1		Plug
							J102	1	1	1	1		Lug Eyelet
							J103	7	7	7	7	57271240W	
							J109						

U: For U.S.A.
 C: For Canada
 E: For Europe
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REF. DESIG.	Q'TY				PARTS NO.	DESCRIPTION
	U	C	E	N		
1720	3	3	3	3	273010903	Shield
1703	1	1	1	1	273010950	Shield, K
1706	1	1	1	1	291612003	Insulator
1711	2	2	2	2	281916008	Bracket
1712	4	4	4	4	51100306B	B.H.M. Screw, B3 x 6
1722	1	1	1	1	341105605	Buffer
P150 AM TUNER BOARD						
P150	1	1	1	1	YD2909001	P.W. Board
	1	1	1	1	ZZ2928101	P.W. Board Assembly
P158	2	2	2	2	293311802	Spacer, R181
R151	1	1	1	1	RT0510314	Resistor, 10kΩ ±5% 1/4W
R152	1	1	1	1	RT0530314	Resistor, 30kΩ ±5% 1/4W
R153	1	1	1	1	RT0582314	Resistor, 82kΩ ±5% 1/4W
R154	1	1	1	1	RT05222314	Resistor, 22kΩ ±5% 1/4W
R156	1	1	1	1	RT0510414	Resistor, 100kΩ ±5% 1/4W
R157	1	1	1	1	RC0000012	Resistor, 0Ω
R158	1	1	1	1	RT0539314	Resistor, 39kΩ ±5% 1/4W
R159	1	1	1	1	RT0539214	Resistor, 3.9kΩ ±5% 1/4W
R160	1	1	1	1	RC0000012	Resistor, 0Ω
R161	1	1	1	1	RT0543214	Resistor, 4.3kΩ ±5% 1/4W
R162	1	1	1	1	RT0510114	Resistor, 100Ω ±5% 1/4W
R163	1	1	1	1	RT0515214	Resistor, 1.5kΩ ±5% 1/4W
R164	1	1	1	1	RT0533114	Resistor, 330Ω ±5% 1/4W
R165	1	1	1	1	RC0000012	Resistor, 0Ω
R166	1	1	1	1	RC0000012	Resistor, 0Ω
R167	1	1	1	1	RT0522214	Resistor, 2.2kΩ ±5% 1/4W
R168	1	1	1	1	RT0582314	Resistor, 82kΩ ±5% 1/4W
R169	1	1	1	1	RT0562414	Resistor, 620kΩ ±5% 1/4W
R170	1	1	1	1	RT0551114	Resistor, 510Ω ±5% 1/4W
R171	1	1	1	1	RT0522214	Resistor, 2.2kΩ ±5% 1/4W
R172	1	1	1	1	RT0556214	Resistor, 5.6kΩ ±5% 1/4W
R173	1	1	1	1	RT0510214	Resistor, 1kΩ ±5% 1/4W
R174	1	1	1	1	RT0510114	Resistor, 100Ω ±5% 1/4W
R175	1	1	1	1	RT0510414	Resistor, 100kΩ ±5% 1/4W
R176	1	1	1	1	RT0510314	Resistor, 10kΩ ±5% 1/4W
R177	1	1	1	1	RT0512314	Resistor, 12kΩ ±5% 1/4W
R178	1	1	1	1	RA0103025	Trimming Resistor, 10kΩ (B)
R179	1	1	1	1	RT0510314	Resistor, 10kΩ ±5% 1/4W
R180	1	1	1	1	RT0515214	Resistor, 1.5kΩ ±5% 1/4W
R181	1	1	1	1	RT0510114	Resistor, 100Ω ±5% 1/4W
R182	1	1	1	1	RT0515214	Resistor, 1.5kΩ ±5% 1/4W
C151	1	1	1	1	DK1710301	Ceramic Cap., 0.01μF ±20%
C152	1	1	1	1	DF1747305	Film Cap., 0.047μF ±20%
C154	1	1	1	1	DK1710301	Ceramic Cap., 0.01μF ±20%
C155	1	1	1	1	DF6545101	Film Cap., 450pF ±5%
C156	1	1	1	1	DD1615001	Ceramic Cap., 15pF ±10%
C157	1	1	1	1	DK1710301	Ceramic Cap., 0.01μF ±20%
C158	1	1	1	1	DK1840302	Ceramic Cap., 0.04μF ±20%
C159	1	1	1	1	DK1840302	Ceramic Cap., 0.04μF ±20%
C160	1	1	1	1	DK1710301	Ceramic Cap., 0.01μF ±20%
C161	1	1	1	1	DK1710301	Ceramic Cap., 0.01μF ±20%
C162	1	1	1	1	DK1710301	Ceramic Cap., 0.01μF ±20%
C163	1	1	1	1	DF1615305	Film Cap., 0.015μF ±10%
C164	1	1	1	1	DF1627305	Film Cap., 0.027μF ±10%
C165	1	1	1	1	DF1756205	Film Cap., 5600pF ±20%
C166	1	1	1	1	DK1840302	Ceramic Cap., 0.04μF ±20%
C167	1	1	1	1	EA2260169	Electrolytic Cap., 22μF 16V
C168	1	1	1	1	EA1070169	Electrolytic Cap., 100μF 16V
C169	1	1	1	1	EA4750359	Electrolytic Cap., 4.7μF 35V

REF. DESIG.	Q'TY				PARTS NO.	DESCRIPTION
	U	C	E	N		
C170	1	1	1	1	EA1070169	Electrolytic Cap., 100μF 16V
C171	1	1	1	1	EE1050505	Electrolytic Cap., 1μF 50V
C172	1	1	1	1	EA1070169	Electrolytic Cap., 100μF 16V
C173	1	1	1	1	EA4750359	Electrolytic Cap., 4.7μF 35V
H151	1	1	1	1	HC1000506	IC, μPC30C
H152	1	1	1	1	HT313272A	Transistor, 2SC1327 ST
H153	1	1	1	1	HT108422A	Transistor, 2SA842 BLG
H154	1	1	1	1	HT104951C	Transistor, 2SA495 Y
H155	1	1	1	1	HH0000212	Thermistor, 31D27
L151	1	1	1	1	LA1001019	RF Coil, AM RF
P200 FM IF BOARD						
J152	1	1	1	1	LO1001050	Osc. Coil, AM Osc.
L153	1	1	1	1	LI1028003	IFT, AM
L154	1	1	1	1	LC1332002	Choke Coil, 3.3μH
L155	1	1	1	1	LC1332002	Choke Coil, 3.3μH
J151	1	1	1	1	YP1000113	Plug
J152	1	1	1	1	YP1000113	Plug
J153	1	1	1	1	YP1000113	Plug
J155	1	1	1	1	YP1000113	Plug
J158	1	1	1	1	YP1000113	Plug
P200	1	1	1	1	YD2884006	P.W. Board
	1	1	1	1	ZZ2928106	P.W. Board Assembly
P208	2	2	2	2	293311802	Spacer, R271
R201	1	1	1	1	RT0533014	Resistor, 33Ω ±10% 1/4W
R202	1	1	1	1	RT0510114	Resistor, 100Ω ±10% 1/4W
R203	1	1	1	1	RT0512314	Resistor, 12kΩ ±10% 1/4W
R204	1	1	1	1	RT0547214	Resistor, 4.7kΩ ±10% 1/4W
R205	1	1	1	1	RT0510214	Resistor, 1kΩ ±10% 1/4W
R206	1	1	1	1	RT0522214	Resistor, 2.2kΩ ±10% 1/4W
R207	1	1	1	1	RT0510314	Resistor, 10kΩ ±10% 1/4W
R208	1	1	1	1	RT0533314	Resistor, 33kΩ ±10% 1/4W
R210	1	1	1	1	RT0533014	Resistor, 33Ω ±10% 1/4W
R211	1	1	1	1	RT0515214	Resistor, 1.5kΩ ±10% 1/4W
R212	1	1	1	1	RT0533214	Resistor, 3.3kΩ ±10% 1/4W
R213	1	1	1	1	RT0547114	Resistor, 470Ω ±10% 1/4W
R214	1	1	1	1	RT0510214	Resistor, 1kΩ ±10% 1/4W
R215	1	1	1	1	RT0510114	Resistor, 100Ω ±10% 1/4W
R216	1	1	1	1	RT0515214	Resistor, 1.5kΩ ±10% 1/4W
R217	1	1	1	1	RT0533214	Resistor, 3.3kΩ ±10% 1/4W
R218	1	1	1	1	RT0515114	Resistor, 150Ω ±10% 1/4W
R219	1	1	1	1	RT0510214	Resistor, 1kΩ ±10% 1/4W
R220	1	1	1	1	RT0510214	Resistor, 1kΩ ±10% 1/4W
R221	1	1	1	1	RT0518314	Resistor, 18kΩ ±10% 1/4W
R222	1	1	1	1	RT0510414	Resistor, 100kΩ ±10% 1/4W
R223	1	1	1	1	RT0575014	Resistor, 75Ω ±10% 1/4W
R224	1	1	1	1	RT0527114	Resistor, 270Ω ±10% 1/4W
R225	1	1	1	1	RT0515114	Resistor, 150Ω ±10% 1/4W
R226	1	1	1	1	RT0515214	Resistor, 1.5kΩ ±10% 1/4W
R227	1	1	1	1	RT0533214	Resistor, 33kΩ ±10% 1/4W
R228	1	1	1	1	RT0515114	Resistor, 150Ω ±10% 1/4W
R229	1	1	1	1	RT0510214	Resistor, 1kΩ ±10% 1/4W
R230	1	1	1	1	RT0510214	Resistor, 1kΩ ±10% 1/4W
R231	1	1	1	1	RT0515114	Resistor, 150Ω ±10% 1/4W
R232	1	1	1	1	RT0510414	Resistor, 100kΩ ±10% 1/4W
R233	1	1	1	1	RT0527314	Resistor, 27kΩ ±10% 1/4W
R234	1	1	1	1	RT0533414	Resistor, 33kΩ ±5% 1/4W

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REF. DESIG.	Q'TY				PARTS NO.	DESCRIPTION	REF. DESIG.	Q'TY				DESCRIPTION	
	U	C	E	N				U	C	E	N		
R235	1	1	1	1	RT0510114	Resistor, 100Ω ±5% 1W	C220	1	1	1	1	DK1820302	Ceramic Cap., 0.02μF ±20%
R236	1	1	1	1	RT0527114	Resistor, 270Ω ±5% 1W	C221	1	1	1	1	DK1820302	Ceramic Cap., 0.02μF ±20%
R237	1	1	1	1	RT0582214	Resistor, 8.2kΩ ±5% 1W	C222	1	1	1	1	DK1840302	Ceramic Cap., 0.04μF ±20%
R238	1	1	1	1	RT0515314	Resistor, 15kΩ ±5% 1W	C223	1	1	1	1	DK1820302	Ceramic Cap., 0.02μF ±20%
R239	1	1	1	1	RT0515114	Resistor, 150Ω ±5% 1W	C224	1	1	1	1	DK1820302	Ceramic Cap., 0.02μF ±20%
R240	1	1	1	1	RT0510214	Resistor, 1kΩ ±5% 1W	C225	1	1	1	1	DD1620101	Ceramic Cap., 200pF ±10%
R241	1	1	1	1	RT0510214	Resistor, 1kΩ ±5% 1W	C226	1	1	1	1	DK1820302	Ceramic Cap., 0.02μF ±20%
R242	1	1	1	1	RT0568314	Resistor, 68kΩ ±5% 1W	C227	1	1	1	1	DK1820302	Ceramic Cap., 0.02μF ±20%
R243	1	1	1	1	RT0510114	Resistor, 100Ω ±5% 1W	C228	1	1	1	1	DK1840301	Ceramic Cap., 0.04μF ±20%
R244	1	1	1	1	RT0510414	Resistor, 100kΩ ±5% 1W	C229	1	1	1	1	DK1820302	Ceramic Cap., 0.02μF ±20%
R245	1	1	1	1	RT0527114	Resistor, 270Ω ±5% 1W	C230	1	1	1	1	DK1820302	Ceramic Cap., 0.02μF ±20%
R246	1	1	1	1	RT0582214	Resistor, 8.2kΩ ±5% 1W	C231	1	1	1	1	DK1710201	Ceramic Cap., 0.001μF ±20%
R247	1	1	1	1	RT0515314	Resistor, 15kΩ ±5% 1W	C232	1	1	1	1	DK1810402	Ceramic Cap., 0.1μF ±20%
R248	1	1	1	1	RT0515114	Resistor, 150Ω ±5% 1W	C233	1	1	1	1	DK1820302	Ceramic Cap., 0.02μF ±20%
R249	1	1	1	1	RT0510214	Resistor, 1kΩ ±5% 1W	C234	1	1	1	1	DK1820302	Ceramic Cap., 0.02μF ±20%
R250	1	1	1	1	RT0510214	Resistor, 1kΩ ±5% 1W	C235	1	1	1	1	DK1840302	Ceramic Cap., 0.04μF ±20%
R252	1	1	1	1	RT0510414	Resistor, 100kΩ ±5% 1W	C236	1	1	1	1	DK1820302	Ceramic Cap., 0.02μF ±20%
R253	1	1	1	1	RT0515114	Resistor, 150Ω ±5% 1W	C237	1	1	1	1	EA1060169	Electrolytic Cap., 10μF 16V
R254	1	1	1	1	RT0515314	Resistor, 15kΩ ±5% 1W	C238	1	1	1	1	DD1620101	Ceramic Cap., 200pF ±20%
R256	1	1	1	1	RT0512314	Resistor, 12kΩ ±5% 1W	C239	1	1	1	1	DD1620101	Ceramic Cap., 200pF ±20%
R257	1	1	1	1	RT0582214	Resistor, 8.2kΩ ±5% 1W	C240	1	1	1	1	EA1070109	Electrolytic Cap., 100μF 10V
R258	1	1	1	1	RT0515314	Resistor, 15kΩ ±5% 1W	C242	1	1	1	1	EA1070169	Electrolytic Cap., 100μF 16V
R259	1	1	1	1	RT0515114	Resistor, 150Ω ±5% 1W	C243	1	1	1	1	DK1840302	Ceramic Cap., 0.04μF ±20%
R260	1	1	1	1	RT0510214	Resistor, 1kΩ ±5% 1W	C244	1	1	1	1	EA1060169	Electrolytic Cap., 10μF 16V
R261	1	1	1	1	RT0522314	Resistor, 22kΩ ±5% 1W	C245	1	1	1	1	EA2260169	Electrolytic Cap., 22μF 16V
R262	1	1	1	1	RT0522314	Resistor, 22kΩ ±5% 1W	C246	1	1	1	1	EA1060169	Electrolytic Cap., 22μF 16V
R263	1	1	1	1	RT0522114	Resistor, 220Ω ±5% 1W	C247	1	1	1	1	DK1820302	Ceramic Cap., 0.02μF ±20%
R264	1	1	1	1	RT0582114	Resistor, 820Ω ±5% 1W	C248	1	1	1	1	DD1540001	Ceramic Cap., 40pF ±5%
R265	1	1	1	1	RT0582114	Resistor, 820Ω ±5% 1W	C249	1	1	1	1	DK1840302	Ceramic Cap., 0.04μF ±20%
R266	1	1	1	1	RT0510314	Resistor, 10kΩ ±5% 1W	C262	1	1	1	1	DD1620101	Ceramic Cap., 200pF ±20%
R267	1	1	1	1	RT0510314	Resistor, 10kΩ ±5% 1W	F201	1	1	1	1	FP1107002	Ceramic Filter, SFE107MD-1
R268	1	1	1	1	RT0510114	Resistor, 100Ω ±5% 1W	F202	1	1	1	1	FP1107002	Ceramic Filter, SFE107MD-1
R269	1	1	1	1	RT0527314	Resistor, 27kΩ ±5% 1W	F203	1	1	1	1	FP1107002	Ceramic Filter, SFE107MD-1
R270	1	1	1	1	RT0510114	Resistor, 100Ω ±5% 1W	H201	1	1	1	1	HT308291C	Transistor, 2SC829C
R271	1	1	1	1	RT0510114	Resistor, 100Ω ±5% 1W	H202	1	1	1	1	HT308291C	Transistor, 2SC829C
R272	1	1	1	1	RT0556214	Resistor, 5.6kΩ ±5% 1W	H203	1	1	1	1	HT308291C	Transistor, 2SC829C
R273	1	1	1	1	RT0510414	Resistor, 100kΩ ±5% 1W	H204	1	1	1	1	HT308291C	Transistor, 2SC829C
R274	1	1	1	1	RT0518414	Resistor, 180kΩ ±5% 1W	H205	1	1	1	1	HT308291C	Transistor, 2SC829C
R275	1	1	1	1	RT0510414	Resistor, 100kΩ ±5% 1W	H206	1	1	1	1	HT308291C	Transistor, 2SC829C
R276	1	1	1	1	RT0522214	Resistor, 2.2kΩ ±5% 1W	H207	1	1	1	1	HT308291C	Transistor, 2SC829C
R277	1	1	1	1	RT0510114	Resistor, 100Ω ±5% 1W	H208	1	1	1	1	HT306441B	Transistor, 2SC644S
C201	1	1	1	1	DK1820302	Ceramic Cap., 0.02μF ±20%	H210	1	1	1	1	HD1000105	Diode, 1N60
C202	1	1	1	1	DK1820302	Ceramic Cap., 0.02μF ±20%	H211	1	1	1	1	HD1000105	Diode, 1N60
C203	1	1	1	1	DK1840302	Ceramic Cap., 0.04μF ±20%	H212	1	1	1	1	HD1000105	Diode, 1N60
C204	1	1	1	1	DK1820302	Ceramic Cap., 0.02μF ±20%	H213	1	1	1	1	HD1000105	Diode, 1N60
C205	1	1	1	1	DD1620101	Ceramic Cap., 200pF ±10%	H214	1	1	1	1	HD1000105	Diode, 1N60
C206	1	1	1	1	DK1820302	Ceramic Cap., 0.02μF ±20%	H215	1	1	1	1	HD1000105	Diode, 1N60
C207	1	1	1	1	DK1820302	Ceramic Cap., 0.02μF ±20%	H216	1	1	1	1	HD2001105	Diode, 1S1555
C208	1	1	1	1	DK1810402	Ceramic Cap., 0.1μF ±20%	H217	1	1	1	1	HD2001105	Diode, 1S1555
C209	1	1	1	1	DK1820302	Ceramic Cap., 0.02μF ±20%	H218	1	1	1	1	HD1000105	Diode, 1N60
C210	1	1	1	1	DK1840302	Ceramic Cap., 0.04μF ±20%	H219	1	1	1	1	HD1000105	Diode, 1N60
C211	1	1	1	1	DK1840302	Ceramic Cap., 0.04μF ±20%	H220	1	1	1	1	HD2001105	Diode, 1S1555
C212	1	1	1	1	DK1840302	Ceramic Cap., 0.04μF ±20%	H221	1	1	1	1	HD2001105	Diode, 1S1555
C213	1	1	1	1	DK1820302	Ceramic Cap., 0.02μF ±20%	H222	1	1	1	1	HD1000105	Diode, 1N60
C214	1	1	1	1	DD1620101	Ceramic Cap., 200pF ±10%	H223	1	1	1	1	HD1000105	Diode, 1N60
C215	1	1	1	1	DK1820302	Ceramic Cap., 0.02μF ±20%	H224	1	1	1	1	HD2001105	Diode, 1S1555
C216	1	1	1	1	DK1820302	Ceramic Cap., 0.02μF ±20%	H225	1	1	1	1	HD2001105	Diode, 1S1555
C217	1	1	1	1	DK1840302	Ceramic Cap., 0.04μF ±20%	H226	1	1	1	1	HD1000105	Diode, 1N60
C218	1	1	1	1	DK1820302	Ceramic Cap., 0.02μF ±20%	H227	1	1	1	1	HD1000105	Diode, 1N60
C219	1	1	1	1	DD1620101	Ceramic Cap., 200pF ±10%	H228	1	1	1	1	HD2001105	Diode, 1S1555

U: For U.S.A.
 C: For Canada
 E: For Europe
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REF. DESIG.	Q'TY				PARTS NO.	DESCRIPTION
	U	C	E	N		
H229	1	1	1	1	HD2001105	Diode, 1S1555
H230	1	1	1	1	HD1000302	Diode, 20A90M
H231	1	1	1	1	HD1000302	Diode, 20A90M
H232	1	1	1	1	HD1000302	Diode, 20A90M
L201	1	1	1	1	LI1401623	IFT, FM
L202	1	1	1	1	LC1332002	Choke Coil, 3.3μH
J201	8	8	8	8	YP1000120	Plug
J208						
J210	1	1	1	1	YP1000120	Plug
J211	1	1	1	1	YP1000120	Plug
J212	1	1	1	1	YP1000120	Plug
1851	1	1	1	1	391810901	Shield
P300	1	1	1	1	YD2890003	P300 FM MPX BOARD
	1	1	1	1	ZZ2928103	P.W. Board
						P.W. Board Assembly
P308	2	2	2	2	293311802	Spacer, R321
R301	1	1	1	1	RA0202011	Trimming Resistor, 2kΩ (B)
R302	1	1	1	1	RT0522414	Resistor, 220kΩ ±5% 1/4W
R303	1	1	1	1	RT0556314	Resistor, 56kΩ ±5% 1/4W
R304	1	1	1	1	RT0568314	Resistor, 68kΩ ±5% 1/4W
R305	1	1	1	1	RT0510114	Resistor, 100Ω ±5% 1/4W
R306	1	1	1	1	RT0518414	Resistor, 180kΩ ±5% 1/4W
R307	1	1	1	1	RT0522414	Resistor, 220kΩ ±5% 1/4W
R308	1	1	1	1	RT0512414	Resistor, 120kΩ ±5% 1/4W
R309	1	1	1	1	RT0510414	Resistor, 100kΩ ±5% 1/4W
R310	1	1	1	1	RT0568214	Resistor, 6.8kΩ ±5% 1/4W
R311	1	1	1	1	RA0502020	Trimming Resistor, 5kΩ (B)
R312	1	1	1	1	RT0516314	Resistor, 16kΩ ±5% 1/4W
R313	1	1	1	1	RT0510214	Resistor, 1kΩ ±5% 1/4W
R314	1	1	1	1	RT0520314	Resistor, 20kΩ ±5% 1/4W
R315	1	1	1	1	RT0510214	Resistor, 1kΩ ±5% 1/4W
R316	1	1	1	1	RT0510214	Resistor, 1kΩ ±5% 1/4W
R317	1	1	1	1	RT0539214	Resistor, 3.9kΩ ±5% 1/4W
R318	1	1	1	1	RT0539214	Resistor, 3.9kΩ ±5% 1/4W
R319	1	1	1	1	RT0522414	Resistor, 220kΩ ±5% 1/4W
R320	1	1	1	1	RT0522314	Resistor, 22kΩ ±5% 1/4W
R321	1	1	1	1	RT0510114	Resistor, 100Ω ±5% 1/4W
R322	1	1	1	1	RT0510014	Resistor, 10Ω ±5% 1/4W
R323	1	1	1	1	RT0522414	Resistor, 220kΩ ±5% 1/4W
R324	1	1	1	1	RT0522414	Resistor, 220kΩ ±5% 1/4W
R325	1	1	1	1	RT0530314	Resistor, 30kΩ ±5% 1/4W
R326	1	1	1	1	RT0530314	Resistor, 30kΩ ±5% 1/4W
R327	1	1	1	1	RT0510414	Resistor, 100kΩ ±5% 1/4W
R328	1	1	1	1	RT0510414	Resistor, 100kΩ ±5% 1/4W
R329	1	1	1	1	RT0515514	Resistor, 1.5MΩ ±5% 1/4W
R330	1	1	1	1	RT0515514	Resistor, 1.5MΩ ±5% 1/4W
R331	1	1	1	1	RT0551114	Resistor, 510Ω ±5% 1/4W
R332	1	1	1	1	RT0551114	Resistor, 510Ω ±5% 1/4W
R333	1	1	1	1	RT0522314	Resistor, 22kΩ ±5% 1/4W
R334	1	1	1	1	RT0522314	Resistor, 22kΩ ±5% 1/4W
R335	1	1	1	1	RT0510114	Resistor, 100Ω ±5% 1/4W
R336	1	1	1	1	RT0510114	Resistor, 100Ω ±5% 1/4W
R337	1	1	1	1	RT0582214	Resistor, 8.2kΩ ±5% 1/4W
R338	1	1	1	1	RT0582214	Resistor, 8.2kΩ ±5% 1/4W
R339	1	1	1	1	RT0547114	Resistor, 470Ω ±5% 1/4W

REF. DESIG.	Q'TY				PARTS NO.	DESCRIPTION
	U	C	E	N		
R340	1	1	1	1	RT0547114	Resistor, 470Ω ±5% 1/4W
R341	1	1	1	1	RT0522414	Resistor, 220kΩ ±5% 1/4W
R342	1	1	1	1	RT0522414	Resistor, 220kΩ ±5% 1/4W
R343	1	1	1	1	RT0539214	Resistor, 3.9kΩ ±5% 1/4W
R344	1	1	1	1	RT0556414	Resistor, 560kΩ ±5% 1/4W
R345	1	1	1	1	RT0515314	Resistor, 15kΩ ±5% 1/4W
R346	1	1	1	1	RT0512414	Resistor, 120kΩ ±5% 1/4W
R347	1	1	1	1	RT0510114	Resistor, 100Ω ±5% 1/4W
R348	1	1	1	1	RT0522414	Resistor, 220kΩ ±5% 1/4W
R349	1	1	1	1	RT0556214	Resistor, 5.6kΩ ±5% 1/4W
R350	1	1	1	1	RT0510314	Resistor, 10kΩ ±5% 1/4W
R351	1	1	1	1	RT0510114	Resistor, 100Ω ±5% 1/4W
R352	1	1	1	1	RT0533314	Resistor, 33kΩ ±5% 1/4W
R353	1	1	1	1	RT0510114	Resistor, 100Ω ±5% 1/4W
R354	1	1	1	1	RT0510414	Resistor, 100kΩ ±5% 1/4W
R355	1	1	1	1	RT0527314	Resistor, 27kΩ ±5% 1/4W
R356	1	1	1	1	RT0510414	Resistor, 100kΩ ±5% 1/4W
R357	1	1	1	1	RT0510214	Resistor, 1kΩ ±5% 1/4W
R358	1	1	1	1	RT0510114	Resistor, 100Ω ±5% 1/4W
R359	1	1	1	1	RT0527314	Resistor, 27kΩ ±5% 1/4W
R360	1	1	1	1	RT0533314	Resistor, 33kΩ ±5% 1/4W
R361	1	1	1	1	RT0510414	Resistor, 100kΩ ±5% 1/4W
R362	1	1	1	1	RA0104018	Trimming Resistor, 100kΩ (B)
R363	1	1	1	1	RA0103025	Trimming Resistor, 10kΩ (B)
R364	1	1	1	1	RT0522214	Resistor, 2.2kΩ ±5% 1/4W
R365	1	1	1	1	RT0510114	Resistor, 100Ω ±5% 1/4W
R366	1	1	1	1	RT0510314	Resistor, 10kΩ ±5% 1/4W
R367	1	1	1	1	RT0510114	Resistor, 100Ω ±5% 1/4W
R368	1	1	1	1	RT0527414	Resistor, 270kΩ ±5% 1/4W
R369	1	1	1	1	RT0510314	Resistor, 10kΩ ±5% 1/4W
R370	1	1	1	1	RT0512314	Resistor, 12kΩ ±5% 1/4W
R371	1	1	1	1	RT0522114	Resistor, 220Ω ±5% 1/4W
R373	1	1	1	1	RT0533314	Resistor, 33kΩ ±5% 1/4W
R374	1	1	1	1	RA0103025	Trimming Resistor, 10kΩ (B)
R375	1	1	1	1	RT0510114	Resistor, 100Ω ±5% 1/4W
R376	1	1	1	1	RT0510414	Resistor, 100kΩ ±5% 1/4W
R377	1	1	1	1	RT0510414	Resistor, 100kΩ ±5% 1/4W
R378	1	1	1	1	RT0556214	Resistor, 5.6kΩ ±5% 1/4W
R379	1	1	1	1	RT0522214	Resistor, 2.2kΩ ±5% 1/4W
R380	1	1	1	1	RT0527214	Resistor, 2.7kΩ ±5% 1/4W
C301	1	1	1	1	DF1639205	Film Cap., 3900pF ±10%
C302	1	1	1	1	EA3360109	Electrolytic Cap., 33μF 10V
C303	1	1	1	1	DF1722305	Film Cap., 0.022μF ±20%
C304	1	1	1	1	EA2260169	Electrolytic Cap., 22μF 16V
C305	1	1	1	1	DF5547101	Film Cap., 470pF ±5%
C306	1	1	1	1	EA2260169	Electrolytic Cap., 22μF 16V
C307	1	1	1	1	EQ4740501	Electrolytic Cap., 0.47μF ±20% 50V
C308	1	1	1	1	EQ2240501	Electrolytic Cap., 0.22μF ±20% 50V
C309	1	1	1	1	EQ2240501	Electrolytic Cap., 0.22μF ±20% 50V
C310	1	1	1	1	DF1747301	Film Cap., 0.047μF ±20% 50V
C311	1	1	1	1	DF1515205	Film Cap., 1500pF ±5%
C312	1	1	1	1	DF1515205	Film Cap., 1500pF ±5%
C313	1	1	1	1	DD1536101	Ceramic Cap., 360pF ±5%
C314	1	1	1	1	DD1536101	Ceramic Cap., 360pF ±5%
C315	1	1	1	1	DF1533205	Film Cap., 3300pF ±5%
C316	1	1	1	1	DF1533205	Film Cap., 3300pF ±5%
C317	1	1	1	1	DF1515205	Film Cap., 1500pF ±5%

U: For U.S.A.
 C: For Canada
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REF. DESIG.	Q'TY				PARTS NO.	DESCRIPTION	REF. DESIG.	Q'TY				PARTS NO.	DESCRIPTION	
	U	C	E	N				U	C	E	N			
C318	1	1	1	1	DF1515205	Film Cap., 1500pF ±5%	PC01	1	1	1	1	YD2915107	PC01 DOLBY LEVEL BOARD	
C319	1	1	1	1	DF1522205	Film Cap., 2200pF ±5%		1	1	1	1	ZZ2928307	P.W. Board	
C320	1	1	1	1	DF1522205	Film Cap., 2200pF ±5%							P.W. Board Assembly	
C321	1	1	1	1	DF1510205	Film Cap., 1000pF ±5%	RC01	1	1	1	1	RA0104015	Trimming Resistor, 100k (B)	
C322	1	1	1	1	DF1510205	Film Cap., 1000pF ±5%	RC02	1	1	1	1	RA0104015	Trimming Resistor, 100k (B)	
C323	1	1	1	1	EV2240351	Electrolytic Cap., 0.22μF±20%35V	RC03	1	1	1	1	RT0568314	Resistor, 68kΩ 1W ±5%	
C324	1	1	1	1	EV2240351	Electrolytic Cap., 0.22μF±20%35V	RC04	1	1	1	1	RT0568314	Resistor, 68kΩ 1W ±5%	
C325	1	1	1	1	EV1050352	Electrolytic Cap., 1μF±20%35V	RC05	1	1	1	1	RT0510414	Resistor, 100kΩ 1W ±5%	
C326	1	1	1	1	EV1050352	Electrolytic Cap., 1μF±20%35V	RC06	1	1	1	1	RT0510414	Resistor, 100kΩ 1W ±5%	
C327	1	1	1	1	EA2270259	Electrolytic Cap., 220μF 25V	RC07	1	1	1	1	RT0539214	Resistor, 3.9kΩ 1W ±5%	
C328	1	1	1	1	EA2270169	Electrolytic Cap., 220μF 16V	RC08	1	1	1	1	RT0539214	Resistor, 3.9kΩ 1W ±5%	
C329	1	1	1	1	EA1060169	Electrolytic Cap., 10μF 16V	RC09	1	1	1	1	RT0510414	Resistor, 100kΩ 1W ±5%	
C330	1	1	1	1	DK1840302	Ceramic Cap., 0.04μF±5% 0%	RC10	1	1	1	1	RT0510414	Resistor, 100kΩ 1W ±5%	
C331	1	1	1	1	EA1050509	Electrolytic Cap., 1μF 50V	CC01	1	1	1	1	EV1050256	Electrolytic Cap., 1μF 25V	
C332	1	1	1	1	EA1060169	Electrolytic Cap., 10μF 16V	CC02	1	1	1	1	EV1050256	Electrolytic Cap., 1μF 25V	
C333	1	1	1	1	DD1210001	Ceramic Cap., 10pF ±1pF	CC03	1	1	1	1	EV1050256	Electrolytic Cap., 1μF 25V	
C334	1	1	1	1	DF1668301	Film Cap., 0.068μF ±10%	CC04	1	1	1	1	EV1050256	Electrolytic Cap., 1μF 25V	
C335	1	1	1	1	DF1740301	Film Cap., 0.04μF ±20%	JC01	~	8	8	8	8	YP1000113	Plug
C336	1	1	1	1	DK1810402	Ceramic Cap., 0.1μF±5% 0%	JC08							
C337	1	1	1	1	EA4750359	Electrolytic Cap., 4.7μF 35V	HC01	1	1	1	1	HT313272A	Transistor, 2SC1327 S,T	
C338	1	1	1	1	EA1050509	Electrolytic Cap., 1μF 50V	HC02	1	1	1	1	HT313272A	Transistor, 2SC1327 S,T	
C339	1	1	1	1	DK1840302	Ceramic Cap., 0.04μF±5% 0%	2620	1	1	1	1	62030039W	Lug	
C340	1	1	1	1	DK1840302	Ceramic Cap., 0.04μF±5% 0%	P400	1	1	1	1	YD2892008	P400 EQL. AMP. BOARD	
C341	1	1	1	1	DK1840302	Ceramic Cap., 0.04μF±5% 0%		1	1	1	1	ZZ2892008	P.W. Board	
C343	1	1	1	1	DF1710402	Film Cap., 0.1μF ±20%							P.W. Board Assembly	
C344	1	1	1	1	DK1820302	Ceramic Cap., 0.02μF±5% 0%	P408	2	2	2	2	293311802	Spacer, R434	
H301	1	1	1	1	HF200301C	FET 2SK30Y	R401	1	1	1	1	RT0556314	Resistor, 56kΩ ±5% 1W	
H302	1	1	1	1	HT308281D	Transistor, 2SC828S	R402	1	1	1	1	RT0556314	Resistor, 56kΩ ±5% 1W	
H303	1	1	1	1	HT308281D	Transistor, 2SC828S	R403	1	1	1	1	RT0547114	Resistor, 470Ω ±5% 1W	
H304	1	1	1	1	HT307322A	Transistor, 2SC732 B or G	R404	1	1	1	1	RT0547114	Resistor, 470Ω ±5% 1W	
H305	1	1	1	1	HT307322A	Transistor, 2SC732 B or G	R405	1	1	1	1	RN0533314	Resistor, 33kΩ ±5% 1W	
H306	1	1	1	1	HT108422A	Transistor, 2SA842 G or BL	R406	1	1	1	1	RN0510514	Resistor, 1MΩ ±5% 1W	
H307	1	1	1	1	HT108422A	Transistor, 2SA842 G or BL	R407	1	1	1	1	RN0510514	Resistor, 1MΩ ±5% 1W	
H308	1	1	1	1	HT308281D	Transistor, 2SC828S	R408	1	1	1	1	RA0104015	Trimming Resistor, 100kΩ B±30%	
H309	1	1	1	1	HT308281D	Transistor, 2SC828S	R409	1	1	1	1	RA0104015	Trimming Resistor, 100kΩ B±30%	
H310	1	1	1	1	HT308281D	Transistor, 2SC828S	R410	1	1	1	1	RN0527314	Resistor, 27kΩ ±5% 1W	
H311	1	1	1	1	HT308281D	Transistor, 2SC828S	R411	1	1	1	1	RN0527314	Resistor, 27kΩ ±5% 1W	
H312	1	1	1	1	HF200300A	FET, 2SK30A	R412	1	1	1	1	RT0562114	Resistor, 620Ω ±5% 1W	
H313	1	1	1	1	HT308281D	Transistor, 2SC828S	R413	1	1	1	1	RT0562114	Resistor, 620Ω ±5% 1W	
H314	1	1	1	1	HT308281D	Transistor, 2SC828S	R414	1	1	1	1	RT0522514	Resistor, 2.2MΩ ±5% 1W	
H315	1	1	1	1	HT308281D	Transistor, 2SC828S	R415	1	1	1	1	RT0522514	Resistor, 2.2MΩ ±5% 1W	
H316	1	1	1	1	HT308281D	Transistor, 2SC828S	R416	1	1	1	1	RN0522514	Resistor, 2.2MΩ ±5% 1W	
H317	1	1	1	1	HT308281D	Transistor, 2SC828S	R417	1	1	1	1	RN0522514	Resistor, 2.2MΩ ±5% 1W	
H318	1	1	1	1	HD1000105	Diode, 1N60	R418	1	1	1	1	RN0527414	Resistor, 270kΩ ±5% 1W	
H319	1	1	1	1	HD1000105	Diode, 1N60	R419	1	1	1	1	RN0527414	Resistor, 270kΩ ±5% 1W	
H321	1	1	1	1	HC1000401	IC, HA1156	R420	1	1	1	1	RT0547314	Resistor, 47kΩ ±5% 1W	
L301	1	1	1	1	LS1029004	MPX Coil, 56mH	R421	1	1	1	1	RT0547314	Resistor, 47kΩ ±5% 1W	
L302	1	1	1	1	LS1029004	MPX Coil, 56mH	R422	1	1	1	1	RT0522214	Resistor, 2.2kΩ ±5% 1W	
L303	1	1	1	1	LS1029005	MPX Coil, 43mH	R423	1	1	1	1	RT0522214	Resistor, 2.2kΩ ±5% 1W	
L304	1	1	1	1	LS1029005	MPX Coil, 43mH	R424	1	1	1	1	RN0568414	Resistor, 680kΩ ±5% 1W	
L305	1	1	1	1	LC2105001	Choke Coil, 1mH	R425	1	1	1	1	RN0568414	Resistor, 680kΩ ±5% 1W	
J301	~	22	22	22	22	YP1000113	Plug	R426	1	1	1	1	RN0510414	Resistor, 100kΩ ±5% 1W
J322							R427	1	1	1	1	RN0510414	Resistor, 100kΩ ±5% 1W	
							R428	1	1	1	1	RN0547314	Resistor, 47kΩ ±5% 1W	
							R429	1	1	1	1	RN0547314	Resistor, 47kΩ ±5% 1W	

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REF. DESIG.	Q'TY				PARTS NO.	DESCRIPTION	REF. DESIG.	Q'TY				PARTS NO.	DESCRIPTION					
	U	C	E	N				U	C	E	N							
R430	1	1	1	1	RT0547014	Resistor, 47Ω ±5% 1/4W	R716	2	2	2	2	GF0533014	Resistor, 33Ω ±5% 1/4W					
R431	1	1	1	1	RT0547014	Resistor, 47Ω ±5% 1/4W	R717	2	2	2	2	HH0000303	Thermistor, STD 04					
R432	1	1	1	1	RN0533214	Resistor, 3.3kΩ ±5% 1/4W	R718	2	2	2	2	RT0510214	Resistor, 1kΩ ±5% 1/4W					
R433	1	1	1	1	RN0533214	Resistor, 3.3kΩ ±5% 1/4W	R719	2	2	2	2	RA0301002	Trimming Resistor, 300Ω (B)					
R434	1	1	1	1	RT0510114	Resistor, 100Ω ±5% 1/4W	R720	2	2	2	2	GF0547114	Resistor, 470Ω ±5% 1/4W					
R435	1	1	1	1	RT0547014	Resistor, 47Ω ±5% 1/4W	R721	2	2	2	2	GF0510214	Resistor, 1kΩ ±5% 1/4W					
R436	1	1	1	1	RT0547014	Resistor, 47Ω ±5% 1/4W	R722	2	2	2	2	GF0547214	Resistor, 4.7kΩ ±5% 1/4W					
C401	1	1	1	1	EV1050256	Electrolytic Cap., 1μF ±20% 25V	R723	2	2	2	2	GF0527214	Resistor, 2.7kΩ ±5% 1/4W					
C402	1	1	1	1	EV1050256	Electrolytic Cap., 1μF ±20% 25V	R724	2	2	2	2	GF0527214	Resistor, 2.7kΩ ±5% 1/4W					
C403	1	1	1	1	EE4760164	Electrolytic Cap., 47μF ±20% 16V	R725	2	2	2	2	GF0510114	Resistor, 100Ω ±5% 1/4W					
C404	1	1	1	1	EE4760164	Electrolytic Cap., 47μF ±20% 16V	R726	2	2	2	2	GF0510114	Resistor, 100Ω ±5% 1/4W					
C405	1	1	1	1	DD1540004	Ceramic Cap., 40pF ±50% 50V	R727	2	2	2	2	GF0510114	Resistor, 100Ω ±5% 1/4W					
C406	1	1	1	1	DD1540004	Ceramic Cap., 40pF ±50% 50V	R728	2	2	2	2	GF0510014	Resistor, 10Ω ±5% 1/4W					
C407	1	1	1	1	DD1104001	Ceramic Cap., 4pF ±0.5pF 50V	R729	2	2	2	2	GF0510014	Resistor, 10Ω ±5% 1/4W					
C408	1	1	1	1	DD1104001	Ceramic Cap., 4pF ±0.5% 50V	R730	2	2	2	2	GF0522114	Resistor, 220Ω ±5% 1/4W					
C409	1	1	1	1	DF6556201	Film Cap., 5600pF ±5% 50V	R731	2	2	2	2	GF0522114	Resistor, 220Ω ±5% 1/4W					
C410	1	1	1	1	DF6556201	Film Cap., 5600pF ±5% 50V	R732	2	2	2	2	GW1020205	Resistor, 0.2Ω ±10% 5W					
C411	1	1	1	1	DF6516201	Film Cap., 1600pF ±5% 50V	R733	2	2	2	2	GW1020205	Resistor, 0.2Ω ±10% 5W					
C412	1	1	1	1	DF6516201	Film Cap., 1600pF ±5% 50V	R734	2	2	2	2	RC1002212	Resistor, 2.2Ω ±10% 1/4W					
C413	1	1	1	1	ED1070351	Electrolytic Cap., 100μF 35V	R735	2	2	2	2	GJ0510002	Resistor, 10Ω ±5% 2W					
C414	1	1	1	1	DF1710552	Film Cap., 1μF ±20% 250V	R736	2	2	2	2	GF0547114	Resistor, 470Ω ±5% 1/4W					
C415	1	1	1	1	DF1710552	Film Cap., 1μF ±20% 250V	R737	2	2	2	2	RC0000012	Resistor, 0Ω					
C416	1	1	1	1	DD1650001	Ceramic Cap., 50pF ±10% 50V	C701	2	2	2	2	EE3350251	Electrolytic Cap., 3.3μF 25V ±20%					
C417	1	1	1	1	DD1650001	Ceramic Cap., 50pF ±10% 50V	C702	2	2	2	2	EA1060359	Electrolytic Cap., 10μF 35V					
H401	1	1	1	1	HT313441E	Transistor, 2SC1344 E	C703	2	2	2	2	DD1620101	Ceramic Cap., 200pF 50V					
H402	1	1	1	1	HT313441E	Transistor, 2SC1344 E	C704	2	2	2	2	EA4760509	Electrolytic Cap., 47μF 50V					
H403	1	1	1	1	HT313442A	Transistor, 2SC1344 D, E	C705	2	2	2	2	EE4760162	Electrolytic Cap., 47μF 16V ±20%					
H404	1	1	1	1	HT313442A	Transistor, 2SC1344 D, E	C706	2	2	2	2	EA2270509	Electrolytic Cap., 220μF 50V					
H405	1	1	1	1	HT304580R	Transistor, 2SC458L B	C707	2	2	2	2	DD1003050	Ceramic Cap., 3pF 500V					
H406	1	1	1	1	HT304580R	Transistor, 2SC458L B	C708	2	2	2	2	DF1710305	Film Cap., 0.01μF 50V					
H407	1	1	1	1	HD2000121	Diode, 1S-2473	C709	2	2	2	2	DF1710305	Film Cap., 0.01μF 50V					
H408	1	1	1	1	HD2000121	Diode, 1S-2473	C710	2	2	2	2	DF1710452	Film Cap., 0.1μF 200V					
H409	1	1	1	1	HV0000206	Varistor, VD1212	C711	2	2	2	2	DK1622151	Ceramic Cap., 220pF 500V					
J401	8	8	8	8	YP1000113	Plug	C712	2	2	2	2	DK1622201	Ceramic Cap., 0.002μF 50V					
J408	8	8	8	8			C713	2	2	2	2	DK1610150	Ceramic Cap., 100pF 500V					
2011	8	8	8	8	51100306S	B.H.M. Screw, B3 x 6	J701	12	12	12	12	YP1000114	Plug					
P700	2	2	2	2	YD2960101	P700 MAIN AMP. BOARD						J708	14	14	14	14	YP1000114	Plug
	2	2	2	2	ZZ2960301	P.W. Board						J714						
R701	2	2	2	2	RT0510214	Resistor, 1kΩ ±5% 1/4W	H701	2	2	2	2	HD3003009	Diode, WZ-177					
R702	2	2	2	2	RT0533314	Resistor, 33kΩ ±5% 1/4W	H702	1	1	1	1	HT107631B	Transistor, 2SA763(45)					
R703	2	2	2	2	RT0568214	Resistor, 6.8kΩ ±5% 1/4W	H703	1	1	1	1	HT107631B	Transistor, 2SA763(45)					
R704	2	2	2	2	RT0510214	Resistor, 1kΩ ±5% 1/4W	H704	2	2	2	2	HV0000312	Varistor, MV-13					
R705	2	2	2	2	RT0510114	Resistor, 100Ω ±5% 1/4W	H705	2	2	2	2	HV0000312	Varistor, MV-13					
R706	2	2	2	2	RT0556314	Resistor, 56kΩ ±5% 1/4W	H707	2	2	2	2	HT308753B	Transistor, 2SC875 C,D,E					
R707	2	2	2	2	RA0502017	Trimming Resistor, (B) 5kΩ	H708	2	2	2	2	HD2000221	Diode, 1S2472(Gr)					
R708	2	2	2	2	RT0547214	Resistor, 4.7kΩ ±5% 1/4W	H709	2	2	2	2	HD2000221	Diode, 1S2472(Gr)					
R709	2	2	2	2	RT0518414	Resistor, 180kΩ ±5% 1/4W	H710	2	2	2	2	HT309451Q	Transistor, 2SC945Q					
R710	2	2	2	2	RT0524214	Resistor, 2.4kΩ ±5% 1/4W	H711	2	2	2	2	HT107331Q	Transistor, 2SA733Q					
R712	2	2	2	2	RT0518214	Resistor, 1.8kΩ ±5% 1/4W	H712	2	2	2	2	HD2000221	Diode, 1S2472(Gr)					
R713	2	2	2	2	RC1010212	Resistor, 1kΩ ±10% 1/4W	H713	1	1	1	1	HT404151Q	Transistor, 2SD415 P,O,R					
R714	2	2	2	2	RT0533314	Resistor, 33kΩ ±5% 1/4W	H714	1	1	1	1	HT205491Q	Transistor, 2SB549 P,O,R					
R715	2	2	2	2	RT0547214	Resistor, 4.7kΩ ±5% 1/4W	L701	2	2	2	2	LC2262001	Coil					
							P708	32	32	32	32	293311802	Spacer,					
							P709	8	8	8	8	293311801	Spacer,					

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REF. DESIG.	Q'TY				PARTS NO.	DESCRIPTION	REF. DESIG.	Q'TY				DESCRIPTION	
	U	C	E	N				U	C	E	N		
2024	2	2	2	2	281811806	Spacer	H803	1	1	1	1	Transistor, 2SC945 Q, R	
2028	4	4	4	4	291626701	Heatsink	H804	1	1	1	1	Transistor, 2SD331C,D,E,F	
2029	2	2	2	2	112600501	Clamper	H805	1	1	1	1	Transistor, 2SC945 Q, R	
2031	4	4	4	4	51100310E	B.H.M. Screw, B3 x 10	H806	1	1	1	1	Transistor, 2SC1318 R, S	
2032	4	4	4	4	53110301E	Hexagon Nut	H807	1	1	1	1	Transistor, 2SC1318 R, S	
J016	1	1	1	1	YJ0500019	Socket, TR Socket	H808	1	1	1	1	Diode, DS131-B	
J017	1	1	1	1	YJ0500019	Socket, TR Socket	H809	1	1	1	1	Diode, WZ-071	
J018	1	1	1	1	YJ0500019	Socket, TR Socket	H810	1	1	1	1	Diode, WZ-140	
J019	1	1	1	1	YJ0500019	Socket, TR Socket	H811	1	1	1	1	Diode, DS131-B	
H001	1	1	1	1	HT313431B	Transistor, 2SC1343 B, C	H812	1	1	1	1	Diode, 1S2471	
H002	1	1	1	1	HT107531B	Transistor, 2SA753 B, C	L801	1	1	1	1	Relay, 24V	
H003	1	1	1	1	HT313431B	Transistor, 2SC1343B,C	J801	10	10	10	10	Plug	
H004	1	1	1	1	HT107531B	Transistor, 2SA753 B,C	J810						
H005	1	1	1	1	HV0000212	Varistor, SV-3A	P809	2	2	2	2	Spacer, R807	
H006	1	1	1	1	HV0000212	Varistor, SV-3A	P808	8	8	8	8	Spacer, R801, R815 & R817	
2003	2	2	2	2	292826701	Heatsink	P807	4	4	4	4	Spacer, H808, H811	
2005	4	4	4	4	292816003	Bracket							
2006	8	8	8	8	51380306T	R.H. Tapped Screw, R3 x 6	2103	1	1	1	1	Heatsink	
2010	8	8	8	8	281810104	Support	2104	2	2	2	2	B.H.M. Screw, B2.6 x 6	
2015	8	8	8	8	51100312E	B.H.M. Screw, B3 x 12	2105	1	1	1	1	B.H.M. Screw, B3 x 12	
2018	2	2	2	2	282026702	Heat Sink	2106	1	1	1	1	Hexagon Nut	
2019	2	2	2	2	51060308S	P.H.M. Screw, P3 x 8	2108	1	1	1	1	T.L. Washer, OR	
2605	2	2	2	2	62030039W	Lug	4636	1	1	1	1	Spring Washer	
2712	2	2	2	2	121000501	Clamper	4637	1	1	1	1	Flat Washer	
P800 POWER SUPPLY BOARD													
P800	1	1	1	1	YD2916002	P.W. Board	0803	1	1	1	1	Bracket, K	
	1	1	1	1	ZZ2928302	P.W. Board Assembly	0810	1	1	1	1	Insulator	
R801	1	1	1	1	GJ0510001	Resistor, 10Ω ±5% 1W	0811	2	2	2	2	B.H.M. Screw, B3 x 6	
R802	1	1	1	1	RT0547214	Resistor, 4.7kΩ ±5% 1/4W	0813	4	4	4	4	B.H.M. Screw, B3 x 6	
R803	1	1	1	1	RT0547214	Resistor, 4.7kΩ ±5% 1/4W	0817	2	2	2	2	B.H.M. Screw, B3 x 6	
R804	1	1	1	1	RT0539214	Resistor, 3.9kΩ ±5% 1/4W	0822	2	2	2	2	B.H.M. Screw, B3 x 6	
R805	1	1	1	1	RT0522314	Resistor, 22kΩ ±5% 1/4W	0827	2	2	2	2	B.H.M. Screw FS, B3 x 6	
R806	1	1	1	1	RA0502013	Trimming Resistor, 5kΩ (B)	0833	3	3	3	3	B.H.M. Screw, B3 x 5	
R807	1	1	1	1	GS1015105	Resistor, 150Ω ±10% 5W	0834	1	1	1	1	Insulator	
R808	1	1	1	1	RT0533214	Resistor, 3.3kΩ ±5% 1/4W	0835	2	2	2	2	Insulator	
R809	1	1	1	1	RT0510014	Resistor, 10Ω ±5% 1/4W	0903	1	1	1	1	Bracket	
R810	1	1	1	1	RT0527314	Resistor, 27kΩ ±5% 1/4W	0904	1	1	1	1	Bracket	
R811	1	1	1	1	RT0522314	Resistor, 22kΩ ±5% 1/4W	0905	4	4	4	4	B.H.M. Screw, B4 x 6	
R812	1	1	1	1	RT0568214	Resistor, 6.8kΩ ±5% 1/4W	0909	1	1	1	1	Pulley, K	
R813	1	1	1	1	RT0524414	Resistor, 240kΩ ±5% 1/4W	0914	2	2	2	2	B.H.M. Screw, B3 x 5	
R814	1	1	1	1	RT0539314	Resistor, 39kΩ ±5% 1/4W	1010	2	2	2	2	F.H.M. Screw, F2.6 x 8	
R815	1	1	1	1	GU0539112	Resistor, 390Ω ±5% 1/4W	1111	2	2	2	2	P.H.Tapped Screw, P3 x 6	
R816	1	1	1	1	GU0556212	Resistor, 5.6kΩ ±5% 1/4W	1112	2	2	2	2	P.H.Tapped Screw, P3 x 6	
R817	1	1	1	1	GU0556212	Resistor, 5.6kΩ ±5% 1/4W	1115	2	2	2	2	T.L. Washer, OR	
R818	1	1	1	1	RT0556214	Resistor, 5.6kΩ ±5% 1/4W	1403	1	1	1	1	Sheet	
C801	1	1	1	1	EA2270631	Electrolytic Cap., 220μF 63V	1404	1	1	1	1	Bearing	
C802	1	1	1	1	EA1070509	Electrolytic Cap., 100μF 50V	1405	2	2	2	2	Spacer	
C803	1	1	1	1	DF1710305	Film Cap., 0.01μF 50V	1406	2	2	2	2	F.H.M. Screw, F3 x 6	
C804	1	1	1	1	EA2260359	Electrolytic Cap., 22μF 35V	1608	1	1	1	1	Protector,	
C805	1	1	1	1	EA3370509	Electrolytic Cap., 330μF 50V	1609	2	2	2	2	P.H. Tapped Screw, P3 x 6	
C806	1	1	1	1	EA4770169	Electrolytic Cap., 470μF 16V	1615	2	2	2	2	Cover	
C807	1	1	1	1	EA4750509	Electrolytic Cap., 4.7μF 50V	1622	1	1	1	1	Sticker	
C808	1	1	1	1	EA4760169	Electrolytic Cap., 47μF 16V	M001	1	1	1	1	Meter, Signal	
C809	1	1	1	1	EA2270109	Electrolytic Cap., 220μF 10V	M002	1	1	1	1	Meter, FM Tuning	
C810	1	1	1	1	DK1810351	Ceramic Cap., 0.01μF 200V	C003	1	1	1	1	Electrolytic Cap., 33μF 10V	
H801	1	1	1	1	HT403302A	Transistor, 2SD330 D,E							
H802	1	1	1	1	HT313183A	Transistor, 2SC1318 P,Q,R							

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	U	C	E	N				U	C	E	N						
PE01	1	1	1	1	YD2917002	PE01 PRE AMP. BOARD	RE65	1	1	1	1	RT0547314	Resistor, 47kΩ ±5% 1/4W				
	1	1	1	1	ZZ2928202	P.W. Board	RE66	1	1	1	1	RT0547314	Resistor, 47kΩ ±5% 1/4W				
						P.W. Board Assembly	RE67	1	1	1	1	RT0522114	Resistor, 220Ω ±5% 1/4W				
PE08	2	2	2	2	293311802	Spacer, RE73	RE68	1	1	1	1	RT0522114	Resistor, 220Ω ±5% 1/4W				
RE02	1	1	1	1	RD0204001	Variable Resistor, 200kΩ (B)	RE69	1	1	1	1	RT0510314	Resistor, 10kΩ ±5% 1/4W				
RE03	1	1	1	1	RD0204001	Variable Resistor, 200kΩ (B)	RE70	1	1	1	1	RT0510314	Resistor, 10kΩ ±5% 1/4W				
RE04	1	1	1	1	RD0204001	Variable Resistor, 200kΩ (B)	RE71	1	1	1	1	RT0547314	Resistor, 47kΩ ±5% 1/4W				
RE09	1	1	1	1	RT0539114	Resistor, 390Ω ±5% 1/4W	RE72	1	1	1	1	RT0547314	Resistor, 47kΩ ±5% 1/4W				
RE10	1	1	1	1	RT0539114	Resistor, 390Ω ±5% 1/4W	RE73	1	1	1	1	RT0510114	Resistor, 100Ω ±5% 1/4W				
RE11	1	1	1	1	RN0568414	Resistor, 680kΩ ±5% 1/4W	RE74	1	1	1	1	RC0000012	Resistor, 0Ω				
RE12	1	1	1	1	RN0568414	Resistor, 680kΩ ±5% 1/4W	CE05	1	1	1	1	DF1710552	Film Cap., 1μF ±20% 250V				
RE13	1	1	1	1	RN0547414	Resistor, 470kΩ ±5% 1/4W	CE06	1	1	1	1	DF1710552	Film Cap., 1μF ±20% 250V				
RE14	1	1	1	1	RN0547414	Resistor, 470kΩ ±5% 1/4W	CE07	1	1	1	1	DD1530001	Ceramic Cap., 30pF ±5% 50V				
RE15	1	1	1	1	RT0510214	Resistor, 1kΩ ±5% 1/4W	CE08	1	1	1	1	DD1530001	Ceramic Cap., 30pF ±5% 50V				
RE16	1	1	1	1	RT0510214	Resistor, 1kΩ ±5% 1/4W	CE09	1	1	1	1	EA1070109	Electrolytic Cap., 100μF ±5% 10V				
RE17	1	1	1	1	RT0582214	Resistor, 8.2kΩ ±5% 1/4W	CE10	1	1	1	1	EA1070109	Electrolytic Cap., 100μF ±5% 10V				
RE18	1	1	1	1	RT0582214	Resistor, 8.2kΩ ±5% 1/4W	CE11	1	1	1	1	EA1060359	Electrolytic Cap., 10μF ±10% 35V				
RE19	1	1	1	1	RT0522414	Resistor, 220kΩ ±5% 1/4W	CE12	1	1	1	1	EA1060359	Electrolytic Cap., 10μF ±10% 35V				
RE20	1	1	1	1	RT0522414	Resistor, 220kΩ ±5% 1/4W	CE13	1	1	1	1	EV3350356	Electrolytic Cap., 3.3μF ±20% 35V				
RE21	1	1	1	1	RC0000012	Resistor, 0Ω	CE14	1	1	1	1	EV3350356	Electrolytic Cap., 3.3μF ±20% 35V				
RE22	1	1	1	1	RC0000012	Resistor, 0Ω	CE15	1	1	1	1	DF1582205	Film Cap., 0.0082μF ±5% 50V				
RE23	1	1	1	1	RT0527314	Resistor, 27kΩ ±5% 1/4W	CE16	1	1	1	1	DF1582205	Film Cap., 0.0082μF ±5% 50V				
RE24	1	1	1	1	RT0527314	Resistor, 27kΩ ±5% 1/4W	CE17	1	1	1	1	DF1582205	Film Cap., 0.0082μF ±5% 50V				
RE25	1	1	1	1	RT0527314	Resistor, 27kΩ ±5% 1/4W	CE18	1	1	1	1	DF1582205	Film Cap., 0.0082μF ±5% 50V				
RE26	1	1	1	1	RT0527314	Resistor, 27kΩ ±5% 1/4W	CE19	1	1	1	1	DF1539301	Film Cap., 0.039μF ±5% 50V				
RE29	1	1	1	1	RT0527314	Resistor, 27kΩ ±5% 1/4W	CE20	1	1	1	1	DF1539301	Film Cap., 0.039μF ±5% 50V				
RE30	1	1	1	1	RT0527314	Resistor, 27kΩ ±5% 1/4W	CE21	1	1	1	1	DF1539301	Film Cap., 0.039μF ±5% 50V				
RE31	1	1	1	1	RT0520314	Resistor, 20kΩ ±5% 1/4W	CE22	1	1	1	1	DF1539301	Film Cap., 0.039μF ±5% 50V				
RE32	1	1	1	1	RT0520314	Resistor, 20kΩ ±5% 1/4W	CE23	1	1	1	1	DF1668205	Film Cap., 0.0068μF ±10% 50V				
RE33	1	1	1	1	RT0510314	Resistor, 10kΩ ±5% 1/4W	CE24	1	1	1	1	DF1668205	Film Cap., 0.0068μF ±10% 50V				
RE34	1	1	1	1	RT0510314	Resistor, 10kΩ ±5% 1/4W	CE25	1	1	1	1	DF6527151	Film Cap., 270pF ±5% 50V				
RE35	1	1	1	1	RT0510314	Resistor, 10kΩ ±5% 1/4W	CE26	1	1	1	1	DF6527151	Film Cap., 270pF ±5% 50V				
RE36	1	1	1	1	RT0510314	Resistor, 10kΩ ±5% 1/4W	CE27	1	1	1	1	DF1510205	Film Cap., 0.001μF ±5% 50V				
RE37	1	1	1	1	RT0510314	Resistor, 10kΩ ±5% 1/4W	CE28	1	1	1	1	DF1510205	Film Cap., 0.001μF ±5% 50V				
RE38	1	1	1	1	RT0510314	Resistor, 10kΩ ±5% 1/4W	CE29	1	1	1	1	DF1633205	Film Cap., 0.0033μF ±10% 50V				
RE39	1	1	1	1	RT0510314	Resistor, 10kΩ ±5% 1/4W	CE30	1	1	1	1	DF1633205	Film Cap., 0.0033μF ±10% 50V				
RE40	1	1	1	1	RT0510314	Resistor, 10kΩ ±5% 1/4W	CE31	1	1	1	1	DD1650001	Ceramic Cap., 50pF ±10% 50V				
RE41	1	1	1	1	RT0547414	Resistor, 470kΩ ±5% 1/4W	CE32	1	1	1	1	DD1650001	Ceramic Cap., 50pF ±10% 50V				
RE42	1	1	1	1	RT0547414	Resistor, 470kΩ ±5% 1/4W	CE33	1	1	1	1	EV1050256	Electrolytic Cap., 1μF ±20% 25V				
RE43	1	1	1	1	RC0000012	Resistor, 0Ω	CE34	1	1	1	1	EV1050256	Electrolytic Cap., 1μF ±20% 25V				
RE45	1	1	1	1	RT0522514	Resistor, 2.2MΩ ±5% 1/4W	CE35	1	1	1	1	EV3350356	Electrolytic Cap., 3.3μF ±20% 35V				
RE46	1	1	1	1	RT0522514	Resistor, 2.2MΩ ±5% 1/4W	CE36	1	1	1	1	EV3350356	Electrolytic Cap., 3.3μF ±20% 35V				
RE47	1	1	1	1	RT0522514	Resistor, 2.2MΩ ±5% 1/4W	CE37	1	1	1	1	EO4750161	Electrolytic Cap., 4.7μF ±30% 16V				
RE48	1	1	1	1	RT0522514	Resistor, 2.2MΩ ±5% 1/4W	CE38	1	1	1	1	EO4750161	Electrolytic Cap., 4.7μF ±30% 16V				
RE49	1	1	1	1	RT0522514	Resistor, 2.2MΩ ±5% 1/4W	CE39	1	1	1	1	EA2270359	Electrolytic Cap., 220μF ±10% 35V				
RE50	1	1	1	1	RT0522514	Resistor, 2.2MΩ ±5% 1/4W	HE01	1	1	1	1	HC1000121	IC BA312				
RE51	1	1	1	1	RT0510314	Resistor, 10kΩ ±5% 1/4W	HE02	1	1	1	1	HC1000121	IC BA312				
RE52	1	1	1	1	RT0510314	Resistor, 10kΩ ±5% 1/4W	HE03	1	1	1	1	HT313272A	Transistor, 2SC1327 S, T				
RE53	1	1	1	1	RT0510314	Resistor, 10kΩ ±5% 1/4W	HE04	1	1	1	1	HT107212A	Transistor, 2SA721 S, T				
RE54	1	1	1	1	RT0510314	Resistor, 10kΩ ±5% 1/4W	HE05	1	1	1	1	HT107212A	Transistor, 2SC1327 S, T				
RE55	1	1	1	1	RT0510314	Resistor, 10kΩ ±5% 1/4W	HE06	1	1	1	1	HT107212A	Transistor, 2SA721 S, T				
RE56	1	1	1	1	RT0510314	Resistor, 10kΩ ±5% 1/4W	JE01	1	1	1	1	YP0600028	Plug				
RE57	1	1	1	1	RC0000012	Resistor, 0Ω	SE01	1	1	1	1	SR1005007	Rotary Switch				
RE61	1	1	1	1	RT0527214	Resistor, 2.7kΩ ±5% 1/4W	PH01 FILTER BOARD				PH01 FILTER BOARD	P.W. Board					
RE62	1	1	1	1	RT0510414	Resistor, 100kΩ ±5% 1/4W											
RE63	1	1	1	1	RT0547414	Resistor, 470kΩ ±5% 1/4W											
RE64	1	1	1	1	RT0547414	Resistor, 470kΩ ±5% 1/4W											
							PH01	1	1	1	1	YD2916005	P.W. Board Assembly				
												1	1	1	1	ZZ2928105	P.W. Board Assembly

U: For U.S.A.
 C: For Canada
 E: For Europe
 N: For Scandinavia

REF. DESIG.	Q'TY				PARTS NO.	DESCRIPTION	REF. DESIG.	Q'TY				PARTS NO.	DESCRIPTION		
	U	C	E	N				U	C	E	N				
RH01	1	1	1	1	RT0510414	Resistor, 100kΩ 1/4W ±5%	0818	2	2	2	2	51060306A	P.H.M. Screw, P3 x 6		
RH02	1	1	1	1	RT0510414	Resistor, 100kΩ 1/4W ±5%	R001	1	1	1	1	RM0254022	Variable Resistor, Vol. 250kΩ		
RH03	1	1	1	1	RT0512314	Resistor, 12kΩ 1/4W ±5%	0934	1	1	1	1	287105102	Guide		
RH04	1	1	1	1	RT0512314	Resistor, 12kΩ 1/4W ±5%	1002	1	1	1	1	291626250	Pulley, K		
RH05	1	1	1	1	RT0510514	Resistor, 1MΩ 1/4W ±5%	1007	2	2	2	2	51100305A	B.H.M. Screw, B3 x 5		
RH06	1	1	1	1	RT0510514	Resistor, 1MΩ 1/4W ±5%	R002	1	1	1	1	RS0504002	Variable Resistor, Bal. 500kΩ		
RH07	1	1	1	1	RT0510414	Resistor, 100kΩ 1/4W ±5%	0917	1	1	1	1	287127401	Reflector		
RH08	1	1	1	1	RT0510414	Resistor, 100kΩ 1/4W ±5%	0927	2	2	2	2	51480306A	B.H.M. Screw F, B3 x 6		
RH09	1	1	1	1	RT0536214	Resistor, 3.6kΩ 1/4W ±5%	0926	2	2	2	2	51100306A	B.H.M. Screw, B3 x 6		
RH10	1	1	1	1	RT0536214	Resistor, 3.6kΩ 1/4W ±5%	0922	1	1	1	1	288627101	Holder		
RH11	1	1	1	1	RT0522514	Resistor, 2.2MΩ 1/4W ±5%	0923	2	2	2	2	51570306B	P.H. Tapped Screw, P3 x 6		
RH12	1	1	1	1	RT0522514	Resistor, 2.2MΩ 1/4W ±5%	PZ01	1	1	1	1	YD2886016	PZ01 DIAL LAMP BOARD		
RH13	1	1	1	1	GJ0533102	Resistor, 330Ω 2W ±5%		1	1	1	1	ZZ2928116	P.W. Board		
RH14	1	1	1	1	GJ0533102	Resistor, 330Ω 2W ±5%		1	1	1	1		P.W. Board Assembly		
RH15	1	1	1	1	GJ0515101	Resistor, 150Ω 1W ±5%	MZ01	1	1	1	1	IN1008007	Lamp		
RH16	1	1	1	1	GJ0515101	Resistor, 150Ω 1W ±5%	MZ02	1	1	1	1	IN1008007	Lamp		
CH01	1	1	1	1	DD1620103	Ceramic Cap., 200pF ±10%	MZ03	1	1	1	1	IN1008007	Lamp		
CH02	1	1	1	1	DD1620103	Ceramic Cap., 200pF ±10%	MZ04	1	1	1	1	IN1008007	Lamp		
CH03	1	1	1	1	DF1627305	Film Cap., 0.027μF 50V ±10%	MZ05	1	1	1	1	IN1008007	Lamp		
CH04	1	1	1	1	DF1627305	Film Cap., 0.027μF 50V ±10%	JZ01	10	10	10	10	YJ0800017	Socket		
CH05	1	1	1	1	DF1647305	Film Cap., 0.047μF 50V ±10%	JZ10								
CH06	1	1	1	1	DF1647305	Film Cap., 0.047μF 50V ±10%	JZ11								
CH07	1	1	1	1	DF1610305	Film Cap., 0.01μF 50V ±10%	JZ14	4	4	4	4	YP1000113	Plug		
CH08	1	1	1	1	DF1610305	Film Cap., 0.01μF 50V ±10%	0919	1	1	1	1	287127101	Holder		
PH07	4	4	4	4	344411805	Spacer, RH13, 14	0920	2	2	2	2	51570306B	P.H. Tapped Screw, P3 x 6		
JH01	1	1	1	1	YP1000113	Plug	PY01	1	1	1	1	YD2960102	PY01 FUNCTION LAMP BOARD		
JH20					Push Switch			1	1	1	1	ZZ2960302	P.W. Board		
SH01	1	1	1	1	SP0405012			1	1	1	1	IN1006301	Lamp, Dolby 6.3V 40mA		
R004	1	1	1	1	RT0510414	Resistor, 100kΩ ±5% 1/4W	MY02	1	1	1	1	IN1006301	Lamp, AM 6.3V 40mA		
PT01	1	1	1	1	YD2916004	PT01 MONITOR BOARD			1	1	1	1	IN1006301	Lamp, FM 6.3V 40mA	
	1	1	1	1	ZZ2916004	P.W. Board	MY03	1	1	1	1	IN1006301	Lamp, Phono 6.3V 40mA		
	1	1	1	1	ZZ2916804	P.W. Board Assembly	MY04	1	1	1	1	IN1006301	Lamp, Aux. 6.3V 40mA		
							MY05	1	1	1	1	IN1006301	Lamp, Tape 1 6.3V 40mA		
RT01	1	1	1	1	RT0510214	Resistor, 1kΩ 1/4W ±5%	MY06	1	1	1	1	IN1006301	Lamp, Tape 2 6.3V 40mA		
RT02	1	1	1	1	RT0510214	Resistor, 1kΩ 1/4W ±5%	MY07	1	1	1	1	IN1006301	Lamp, Stereo 12V 40mA		
CT01					DF1510205	Film Cap., 0.001μF 50V ±5%	JY01								
CT01	1	1			DF1522205	Film cap., 0.0022μF 50V ±5%	JY15	15	15	15	15	YP1000113	Plug		
CT02	1	1			DF1522205	Film Cap., 0.0022μF 50V ±5%									
CT02	1	1			DF1510205	Film Cap., 0.001μF 50V ±5%	MY08	1	1	1	1	IN1012091			
ST01	1	1	1	1	SP0605007	Push Switch	JY01								
JT01	1	23	23	23	YP1000113	Plug	JY15								
JT23	23	23	23	23											
R006	1	1	1	1	RT0510514	Resistor, 1MΩ ±5% 1/4W	R009	1	1	1	1	GF0522014	Resistor, 22Ω ±5% 1/4W		
R007	1	1	1	1	RT0510514	Resistor, 1MΩ ±5% 1/4W	R010	1	1	1	1	GF0522014	Resistor, 22Ω ±5% 1/4W		
S001	1	1	1	1	SR1006015	Rotary Switch	R011	1	1	1	1	GF0547014	Resistor, 47Ω ±5% 1/4W		
J005	1	1	1	1	YJ0100081	Jack, Dubbing In	M003	1	1	1	1	IN1008007	Lamp, Meter		
J006	1	1	1	1	YJ0100098	Jack, Dubbing Out	M004	1	1	1	1	IN1008007	Lamp, Meter		
0821	1	1	1	1	291616002	Bracket	J008	1	1	1	1	YJ0800019	Socket		
S002	1	1	1	1	SP0201015	Push Switch, Power	J009	1	1	1	1	YJ0800019	Socket		
S002					SP0201017	Push Switch, Power	1103	1	1	1	1	288627102	Holder		
J013	1	1	1	1	YJ0100098	Jack, Headphone	1104	2	2	2	2	51570306B	P.H. Tapped Screw, P3 x 6		
0816	1	1	1	1	291616003	Bracket	1022	1	1	1	1	288627401	Reflector		

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REF. DESIG.	Q'TY				PARTS NO.	DESCRIPTION
	U	C	E	N		
1026	1	1	1	1	288926251	Pulley, K
1032	2	2	2	2	51100306A	B.H.M. Screw, B3 x 6
1033	2	2	2	2	54050300R	T.L. Washer, OR
1107	2	2	2	2	51480306A	B.H.M. Screw F, B3 x 6
1303	1	1	1	1	285310650	Bearing, K
1308	1	1	1	1	51640410D	Set Screw, C.P.
1309	1	1	1	1	54040402N	Spring Washer
1310	1	1	1	1	53110403E	Hexagon Nut
8536	1	1	1	1	62030039W	Lug
J027	1	1	1	1	YJ0600019	Socket
0830	1	1	1	1	2917110903	Shield
0831	1	1	1	1	291512003	Insulator
0832	1	1	1	1	288912005	Insulator
0503	1	1			291716001	Bracket
8937				1	296016025	Bracket
0513	1	1			145525903	Bushing
0518				2	54050300R	T.L. Washer, OR
0519				2	51060316A	P.H.M. Screw, P3 x 16
0520				2	53110303A	Hexagon Nut
0523	4	4			51060308S	P.H.M. Screw, P3 x 8
0524	4	4			53110303A	Hexagon Nut
0525	4	4			54050300R	T.L. Washer, OR
0530	1	1	1	1	54050400R	T.L. Washer, OR
0533	4	4	4	4	51060308S	P.H.M. Screw, P3 x 8
0534	4	4	4	4	53110303A	Hexagon Nut
0602	8	8	8	8	51060308S	P.H.M. Screw, P3 x 8
0603	8	8	8	8	53110303A	Hexagon Nut
0606	2	2	2	2	51060306S	P.H.M. Screw, P3 x 6
0616	1	1	1	1	145525903	Bushing
0620	3	3	3	3	51100306S	B.H.M. Screw, B3 x 6
8936	1	1	1	1	138200503	Clamper
8938				1	288286102	Label
9036				2	51100308S	B.H.M. Screw, B3 x 8
9037				2	53110303A	Hexagon Nut
9038				2	54050300R	T.L. Washer, OR
J001	1	1			YT0101003	Terminal, Ground
J002	1	1	1	1	YT0201009	Terminal, Quad Out 1P
J003	1	1	1	1	YT0204008	Terminal, Phono Aux. 4P
J004	1	1	1	1	YT0208006	Terminal, Tape 1,2 8P
J014	1	1	1	1	YT0304012	Terminal, Main SPK
J015	1	1	1	1	YT0304012	Terminal, Remote SPK
J020	1	1			YJ0800012	Socket, Fuse Holder
J021	1	1			YJ0400048	Socket, Outlet
J022	1	1			YJ0400048	Socket, Outlet
C009				1	DF1722380	Film Cap., 0.02μF 1000V
J021				1	YJ0400056	Socket, Outlet
J022				1	YJ0400056	Socket, Outlet
G001	1				BF1040004	Printed Comp.
F001	1	1			FS1050004	Fuse
F002	1				FS2050091	Fuse
F001				1	FS1040080	Fuse
F001				1	FS1040090	Fuse
G001	1				BF1040003	Printed Comp.

REF. DESIG.	Q'TY				PARTS NO.	DESCRIPTION
	U	C	E	N		
W001	1	1			YC0240022	AC Cord
J024				1	YP0400056	Socket, Inlet
J025				1	YJ0800022	Socket, Fuse Holder
J026				1	YT0101005	Terminal
J027				1	YT0101005	Terminal
L001	1	1	1	1	LF1120038	Ant. Coil, AM Ant.
L002	1	1	1	1	LC1332002	Choke Coil, 3.3μH
0705	1	1	1	1	281927103	Holder
0706	1	1	1	1	257816052	Bracket, K
0711	2	2	2	2	51060310S	P.H.M. Screw, P3 x 10
0712	2	2	2	2	54050300R	T.L. Washer, OR
0713	2	2	2	2	53110303E	Hexagon Nut
0716	2	2	2	2	51060310S	P.H.M. Screw, P3 x 10
0718	2	2	2	2	53110303E	Hexagon Nut
PU01	1	1	1	1	YD2916007	PU01 ANT. MUTING BOARD
				1	ZZ2928107	P.W. Board
				1		P.W. Board Assembly
RU04	1	1	1	1	RK0203032	Variable Resistor, 20kΩ (B)
RU05	1	1	1	1	RK0503010	Variable Resistor, 50kΩ (B)
LU01	1	1	1	1	LB3007526	Balance Coil, 75Ω ~ 300Ω
LU02	1	1	1	1	LC1154002	Choke Coil, 150μH
JU01	1	1	1	1	YT0304014	Terminal, 4P (AM,FM Ant.)
JU02	1	1	1	1	YP1000120	Plug
JU03	1	1	1	1	YP1000120	Plug
JU04	1	1	1	1	YP1000113	Plug
JU05	1	1	1	1	YP1000113	Plug
JU06	1	1	1	1	YP1000113	Plug
JU07	1	1	1	1	YP1000113	Plug
0605	1	1	1	1	291616005	Bracket
R008	1	1	1	1	RT0543214	Resistor, 4.3kΩ ±5% 1/2W
R005	1	1			RC1022512	Resistor, 2.2MΩ ±10% 1/2W
9636	1	1	1	1	62030039W	Lug
C001	1	1	1	1	DK1810301	Ceramic Cap., 0.01μF 50V
C007	1	1	1	1	DK1810301	Ceramic Cap., 0.01μF 50V
0531	1	1	1	1	62041760W	Lug
C006	1	1	1	1	DK1810301	Ceramic Cap., 0.01μF ±20% 50V
2610	1	1	1	1	62030039W	Lug
J010	1	1	1	1	YT0204011	Terminal, Pre-main
J007	1	1	1	1	YL0103018	Terminal, 3P
C002	1	1	1	1	DK1840301	Ceramic Cap., 0.04μF 50V
L003	1	1	1	1	LC1332002	Choke Coil, 3.3μH
2705	2	2	2	2	138200503	Clamper
2719	1	1	1	1	138200503	Clamper
2709	1	1	1	1	121000501	Clamper
2716	1	1	1	1	121000501	Clamper
2123	1	1	1	1	282100501	Clamper
1603	1	1	1	1	291630201	Dial
1606	1	1	1	1	285610701	Sheet

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	U	C	E	N		
H007	1	1	1	1	HD2001705	Diode S5188
C008	1	1	1	1	DK1810351	Ceramic Cap., 0.01μF 500V
2118	1	1	1	1	292826702	Heatsink
2120	1	1	1	1	51100314E	B.H.M. Screw, B3 x 14
2121	1	1	1	1	54040302N	Spring Washer
J023		1	1		BY0311001	Terminal
PR01		1			YD2960103	PR01 FUSE BOARD
		1			ZZ2960303	P.W. Board
						P.W. Board Assembly
JR01					YJ0800020	Jack
JR06					YP1000113	Plug
JR07					YD2975001	PR01 FUSE BOARD
JR12					ZZ2975001	P.W. Board
						P.W. Board Assembly
JR07					YP1000113	Plug
JR12					YJ0800020	Socket
JR01					FS2030090	Fuse, 3A
JR06					YL0103018	Terminal, 3P
0221	4	4	4	4	293205701	Leg
0222	4	4	4	4	51440410S	B.H.M. Screw F S, B4 x 10
0431	2				951022101	Label
0432	1				951061105	Label
2751	1				951061103	Label
0510	6	6	6	6	51100306S	B.H.M. Screw, B3 x 6
0907	10	10	10	10	51570306B	P.H. Tapped Screw, P3 x 6
1713	4	4	4	4	51570306B	P.H. Tapped Screw, P3 x 6
2008	8	8	8	8	51570306B	P.H. Tapped Screw, P3 x 6
2034	1	1	1	1	291610903	Shield
2035	3	3	3	3	51570306B	P.H. Tapped Screw, P3 x 6
2107	1	1	1	1	51570306S	P.H. Tapped Screw, P3 x 6
2109	3	3	3	3	51100306S	B.H.M. Screw, B3 x 6
2114	4	4	4	4	51570306B	P.H. Tapped Screw, P3 x 6
2115	1	1	1	1	291616006	Bracket
2116	1	1	1	1	51570408B	P.H. Tapped Screw, P4 x 8
2117	1	1	1	1	54050400R	T.L. Washer, OR
2119	2	2	2	2	51570306B	P.H. Tapped Screw, P3 x 6
2122	1	1	1	1	292812001	Insulator
2128	4	4	4	4	51490514A	B.H.M. Screw F S, B5 x 14
2129	4	4	4	4	53110501A	Hexagon Nut
2130	4	4	4	4	54040602N	Spring Washer
2131	2	2	2	2	291616007	Bracket
2203	1	1	1	1	292810901	Shield
2204	4	4	4	4	285610102	Support
2205	1	1	1	1	281810107	Support
2206	3	3	3	3	51060304E	P.H.M. Screw, P3 x 4

REF. DESIG.	Q'TY				PARTS NO.	DESCRIPTION
	U	C	E	N		
2207	2	2	2	2	50020305B	R.H. Screw, R3 x 5
2208	2	2	2	2	59030805P	Washer
2213	2	2	2	2	51100306S	B.H.M. Screw, B3 x 6
2214	1	1	1	1	62030039W	Lug
2215	2	2	2	2	292810101	Support
2216	2	2	2	2	54020301E	Flat Washer
2217	1	1	1	1	291612005	Insulator
2223	2	2	2	2	288616011	Bracket
2224	2	2	2	2	288612009	Insulator
2225	4	4	4	4	51570306B	P.H. Tapped Screw, P3 x 6
2303	4	4	4	4	288810102	Support
2313	2	2	2	2	288810102	Support
2314	2	2	2	2	51100306S	B.H.M. Screw, B3 x 6
2323	2	2	2	2	291610101	Support
2415			1	1	285416003	Bracket
2416			2	2	51570305B	P.H. Tapped Screw
2417			2	2	51100306S	B.H.M. Screw
2418			1	1	291712002	Insulator
2425	1	1	1	1	138200503	Clamper
2428	1	1	1	1	51570306B	P.H. Tapped Screw, P3 x 6
2429	1	1	1	1	54050300R	T.L. Washer, OR
2503	1	1	1	1	291710550	Chassis, K
2513	5	5	5	5	288600502	Clamper
2514	5	5	5	5	288600504	Clamper
2521	2	2	2	2	292810102	Support
2522	2	2	2	2	54040402N	Spring Washer
2530	2	2	2	2	288925901	Bushing
2532	1	1	1	1	281805603	Buffer
2607	3	3	3	3	51570306B	P.H. Tapped Screw, P3 x 6
2611	1	1	1	1	51570306B	P.H. Tapped Screw, P3 x 6
2614	1	1	1	1	62030039W	Lug
2615	1	1	1	1	51570306B	Lug
2705	2	2	2	2	51570305B	P.H. Tapped Screw, P3 x 5
2710	1	1	1	1	51570306B	P.H. Tapped Screw, P3 x 6
C004	1	1	1	1	EC1090502	Electrolytic Cap., 10000μF 50V
C005	1	1	1	1	EC1090502	Electrolytic Cap., 10000μF 50V
L004	1	1			TS6140501	Power Transformer
L004			1	1	TS6140502	Power Transformer
W001			1		YC0190003	AC Cord
FR01			1		FS1035080	Fuse, 4A
FR02			1		FS1010007	Fuse, 1A
FR03			1		FS1010007	Fuse, 1A
FR01			1		FS1024080	Fuse, 3.5A SEMKO
FR02			1		FS1010080	Fuse, 1.0A SEMKO
FR03			1		FS1010080	Fuse, 1.0A SEMKO
0115	4	4	4	4	52017039J	Bolt
0120	1	1	1	1	291605501	Collar

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	U	C	E	N				U	C	E	N		
0207	4	4	4	4	51480406S	B.H.M. Screw F, B4 x 6	3751	1				281885402	Guarantee Card
0216	10	10	10	10	51100406S	B.H.M. Screw, B4 x 6	2831		1	1		281881301	Envelope
0303	1	1	1	1	290415404	Knob, Power Sw.	2902	1	1	1		296080101	Packing Case, Inner
0304	1	1	1	1	285015401	Knob, Slide Vol.	2903	1	1	1		296080111	Packing Case, Outer
0305	10	10	10	10	288615403	Knob, Push Sw.	3851				1	296080103	Packing Case, Inner
0307	3	3	3	3	281815403	Knob	3852				1	296080113	Packing Case, Outer
0402	1				296026501	Indicator, Name Plate	2908	1	1	1		288680302	Cushion, Upper
0403		1			296026502	Indicator, Name Plate	2909	1	1	1		288680303	Cushion, Lower
0404			1		296026503	Indicator, Name Plate	3853				1	291580701	Reinforcing
3452				1	296026508	Indicator, Name Plate	2912	1	1	1	1	901483838	Polyethylene Bag, Set
0410	2	2	2	2	51060305S	P.H.M. Screw, P3 x 5	2914	1	1	1	1	901302501	Polyethylene Bag, Printed Matter
0411	1	1	1	1	257886101	Label, UL Caution	2915	1	1	1	1	901302501	Polyethylene Bag, Accessories
0412	1	1	1	1	293286101	Label, Do not remove.....	2916	1	1	1	1	291810713	Sheet
						See Marking.....	2917	1	1	1		102980401	Sleeve
0414	1	1	1	1	250626506	Indicator, Do not use as	2918				1	956000004	Hang Tag
0419	1				951091101	Label, LL No.	2919	1	1	1	1	273182101	Silicagel
0420		1			282186102	Label, Fuse Caution	2920	1	1	1	1	281905601	Buffer
0421	1				951091102	Label, Factory No.	2922	4				952281501	Serial No. Card
0424	1				951110102	Label, UL	2923	4				952301512	Serial No. Card
0430	1	1	1	1	288686101	Label, on Power Transformer	2924	4				952301511	Serial No. Card
3451	1				281886101	Label, FTC	2925				4	952301513	Serial No. Card
0819	1	1	1	1	289610701	Sheet, Headphone	3854				1	288286101	Label
0823	2	2	2	2	289610701	Sheet, Dubbing	2931	1	1	1	1	ZA0200007	Ext. Antenna
1410	1	1	1	1	285011202	Shaft	3855	2				951090102	Label
1411	1	1	1	1	54040402N	Spring Washer							
1612	1	1	1	1	291526901	Protector							
1613	2	2	2	2	51570305B	P.H. Tapped Screws, P3 x 5							
1618	1	1	1	1	291626901	Protector							
1619	2	2	2	2	51100305S	B.H.M. Screw, B3 x 5							
1624	1	1	1	1	281912005	Insulator							
1707	1	1	1	1	288910903	Shield							
1708	2	2	2	2	51100306S	B.H.M. Screw, B3 x 6							
1709	6	6	6	6	291612002	Insulator							
1715	2	2	2	2	288912006	Insulator							
1910	1	1	1	1	56382540G	Eyelet							
2305	1	1	1	1	291610902	Shield							
2306	4	4	4	4	51100304S	B.H.M. Screw, B3 x 4							
2316	1	1	1	1	291610901	Shield							
2317	2	2	2	2	51100304S	B.H.M. Screw, B3 x 4							
3571	1	1	1	1	297510901	Shield							
2324	2	2	2	2	51100304S	B.H.M. Screw, B3 x 4							
3572	1	1	1	1	297516001	Bracket							
3573	1	1	1	1	290825901	Bushing							
2802	1				296085101	Instructions, Set							
2806	1	1	1	1	296085131	Instructions, Set							
2807	1				288685110	Instructions, Leaflet							
3752			1		296985129	Instructions, Leaflet							
2809	1				296085601	Schematic							
2810			1		296085602	Schematic							
2811	1				296085603	Schematic							
3753			1		296085605	Schematic							
2814	1	1	1		281885108	Instructions, Accessories							
2816			1		291585102	Instructions, Accessories							
2817	1	1	1		281885104	Instructions, Packing							
2824	1	1	1	1	257785401	Guarantee Card							
2825	1	1	1	1	257785102	Instructions							
2826	1				257781301	Envelope							
2827		1			291881301	Envelope							

SERVICE INFORMATION FOR EUROPEAN MODEL

The information contained herein includes rear panel and main chassis component locations, voltage conversion and FTZ regulation, schematic diagram and technical specifications. For the alignment procedures, test equipment, and repairing hints, refer to the original service manual.

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TECHNICAL SPECIFICATIONS

Amplifier Section:

RATED POWER OUTPUT	50 Watts per channel, Continuous Average Power, both channels driven.
Power Band	20 Hz to 20 kHz
Total Harmonic Distortion	0.25%
Load Impedance	8 Ω
Intermodulation Distortion at Rated Power	0.25%
Damping Factor	55
Frequency Response	20 Hz to 20 kHz ±0.5 dB

Preamplifier Sections:

Phono:

Dynamic Range	96 dB
NOTE: Dynamic Range is the ratio in dB of the phono input overload to equivalent input noise.	
Equivalent Input Noise	1.5 μV
Input Overload	100 mV
Sensitivities (for rated power output)	
Phono	1.8 mV
Tape	180 mV
Main In	1.5 V
Frequency Response (phono)	30 Hz to 15 kHz ±1.0 dB

Input Impedances

Phono	47 kΩ
Aux or Tape	100 kΩ
Main In	30 kΩ
Tape Output Level	775 mV

Ref: 7.75 mV at phono input**Signal to Noise Ratio**

Aux Input	85 dB
Phono Input	75 dB

Tone Controls

Bass: 100 Hz	±10 dB
Tone Mode at 250 Hz	±3 dB
Mid: 700 Hz	±7.5 dB
Treble: 10 kHz	±10 dB
Tone Mode at 4 kHz	±3 dB

FM Tuner Section:

IHF Usable Sensitivity	2.5 μV
Sensitivity (DIN)	2.1 μV
Selectivity (alternate carrier)	60 dB
Quieting Slope	
RF Input for 30 dB Quieting	1.9 μV
Quieting at 5 μV RF Input	55 dB
Quieting at 10 μV RF Input	60 dB
Quieting at 50 μV RF Input	70 dB

Total Harmonic Distortion

Mono:	0.2%
Stereo:	0.4%
Capture Ratio	1.5 dB
Stereo Separation at 1 kHz	40 dB
Spurious Rejection	95 dB
Image Rejection	70 dB
IF Rejection	90 dB
AM Suppression	55 dB

AM Tuner Section:

Sensitivity	20 μV
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General:

Power Requirements	110/120/220/240 V AC, 50 Hz
Power Consumption at rated output, both channels operating	220 Watts
Idling Power (Volume Control at zero)	35 Watts
Dimensions:	
Panel Width	44.1 cm
Panel Height	13.7 cm
Depth	36.5 cm
Weight:	
Unit Alone	15.3 kg
Packed for Shipment	18.3 kg

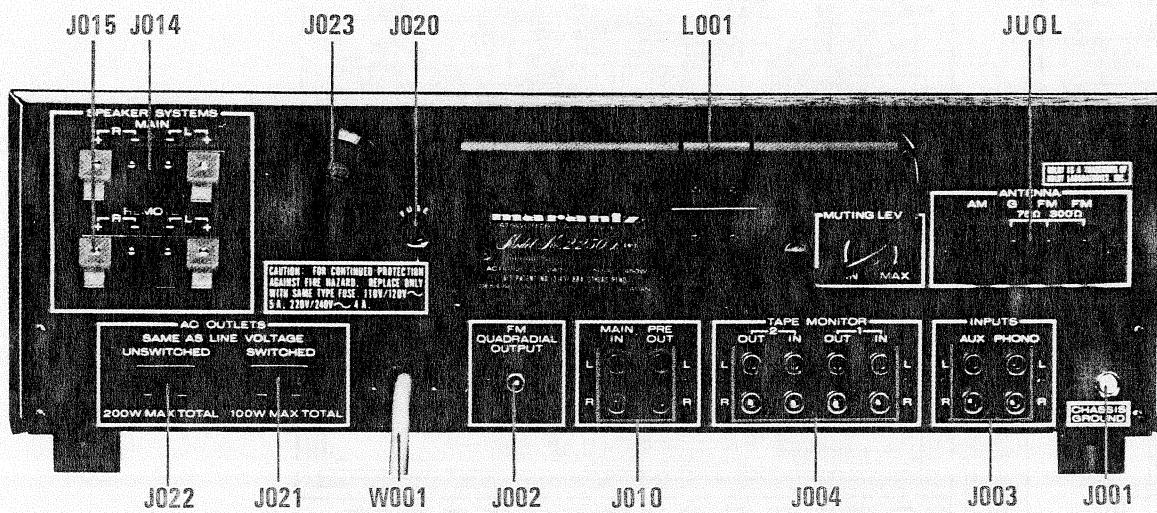


Figure 38. Rear Panel Adjustments and Component Locations for European Model

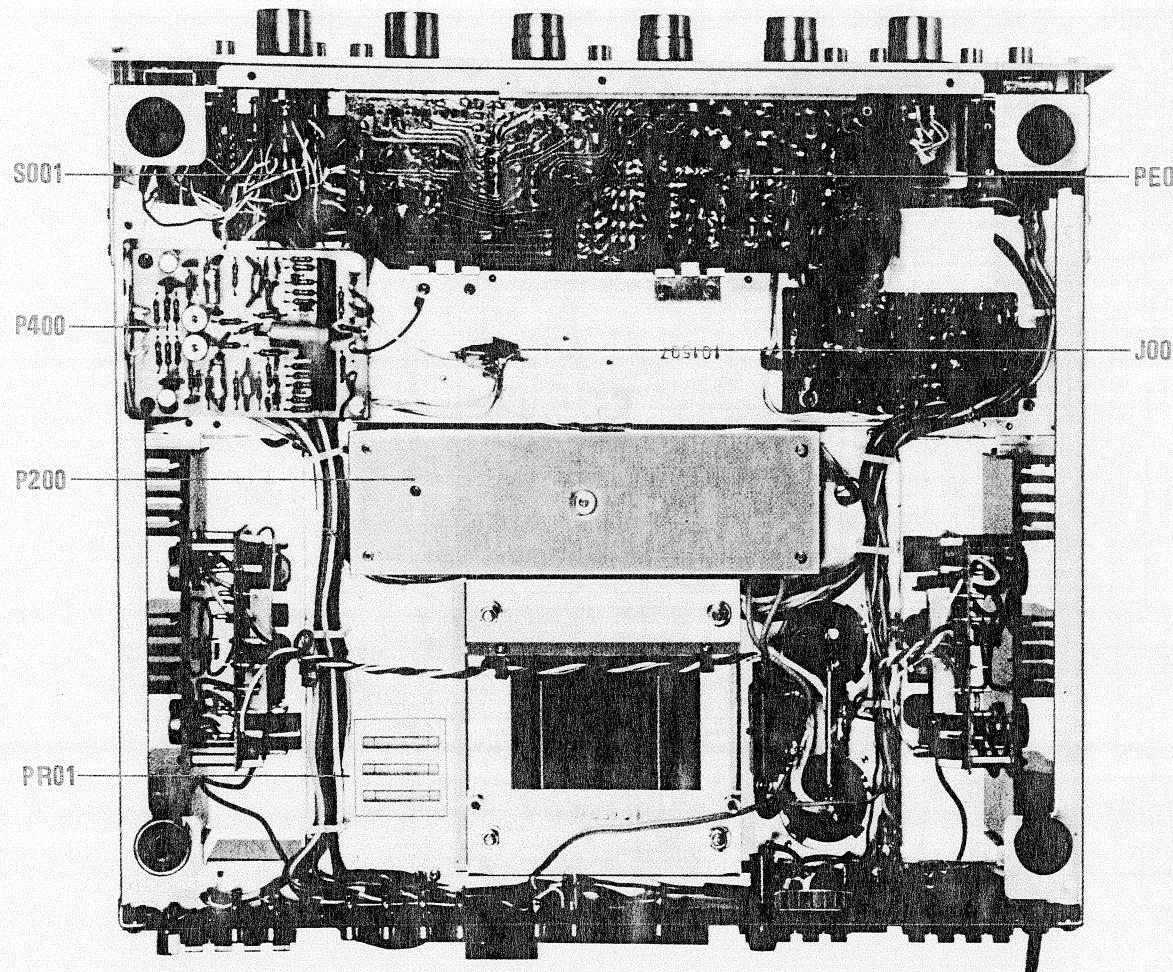


Figure 39. Main Chassis Component Locations (Bottom View) for European Model

VOLTAGE CONVERSION

This Model is equipped with a universal power transformer to permit operation at 110, 120, 220 and 240 V AC 50/60 Hz.

To convert the unit to the required voltage, set the plug as illustrated so that you can adjust the voltage as required.

CAUTION: DISCONNECT POWER SUPPLY CORD FROM AC OUTLET BEFORE CONVERTING VOLTAGE.

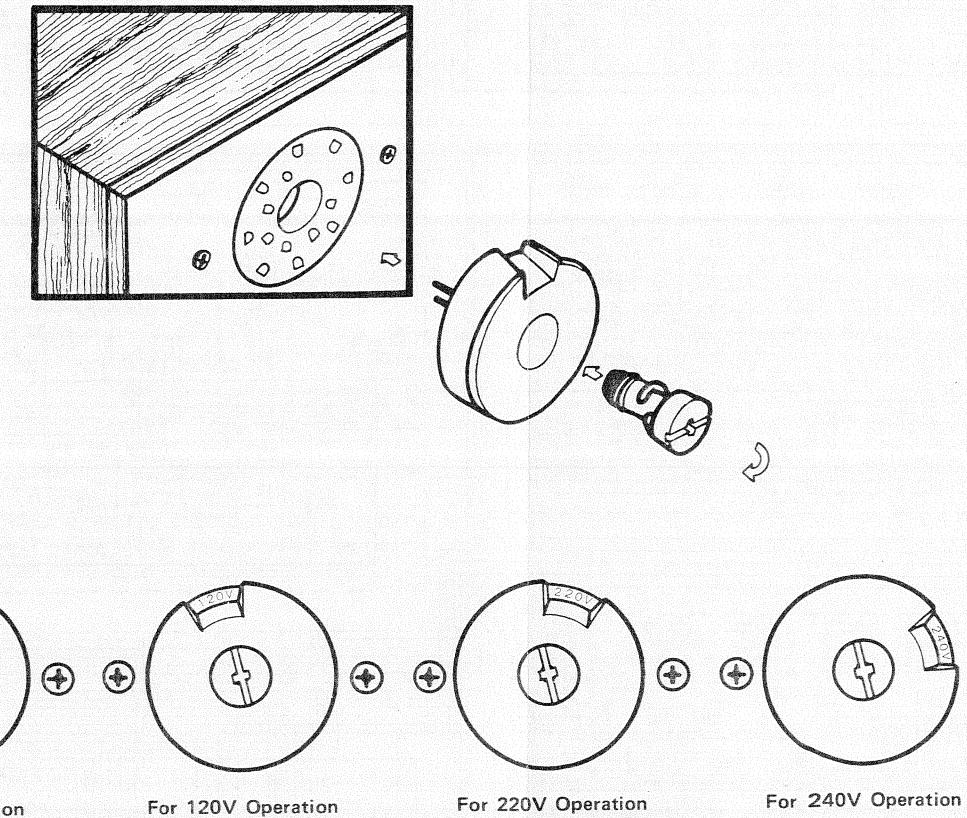
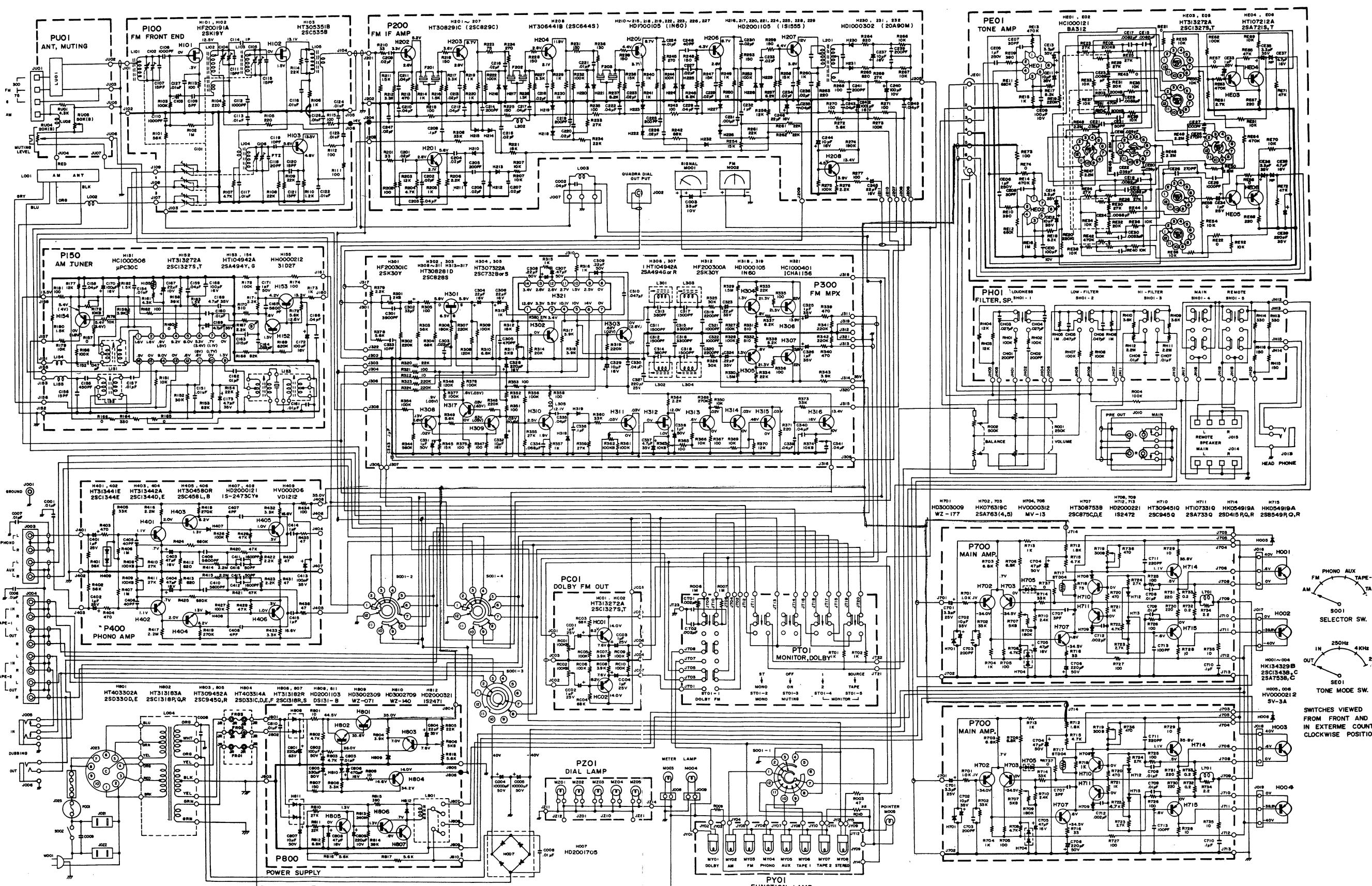


Figure 40. Voltage Conversion Chart

Instruction for the use in the range other than specified in FTZ codes

Achtung für die Leute, die in dem Gebiet wohnen,
wo die FTZ-Bestimmungen vorherrschend sind.

Sollte das Gerät auch für Frequenzen ausserhalb des in den FTZ-Bestimmungen angegebenen Bereiches empfangebereit sein, bitten wir, den Bereich durch Nachstellen des Kernes in der Oszillatospule (in der Abbildung mit "FTZ" gekennzeichnet) so zu korrigieren, dass er den Bestimmungen entspricht.



Model 2250B

NOTE: This schematic diagram applies to units manufactured for the European market.

Figure 41. Schematic Diagram for European Model